

(Cable connection)





















Features

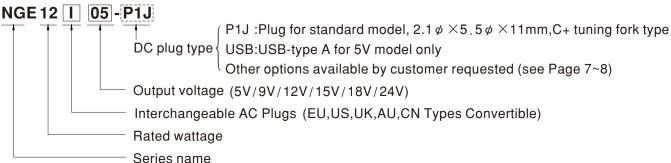
- MEANWELL Patent Application Number: 202330347779.4
- Interchangeable AC plugs
- · Global certificates in multi-fields (ITE 62368-1, Medical 60601-1, Household 60335-1,Industrial 61558-1/-2-16)
- Universal AC input / Full range
- Ultra slim(28mm)
- No load power consumption < 0.075W
- Energy efficiency Level VI
- · Class II power (no earth pin)
- · Protections: Short circuit / Overload / Over voltage
- · Pass LPS
- Extremely leakage current <100uA
- -30°C ~+70°C wide range working temperature
- · Various DC plug quick adapter accessory available (Plug kit sold sperately, please refer to : https://www.meanwell.com/upload/pdf/DC_plug.pdf)
- 3 years warranty

Description

NGE12 is a highly reliable, 12W wall-mounted style single-output green adaptor series, which is compact and convenient for carry. This product is equipped with 5 types of interchangeable AC plug (European, USA, U.K., Australian and China type) that makes it very suitable for travel use. NGE12 is a class II power unit (no FG), accepting the Input range from 80VAC to 264VAC that it can satisfy the demands for various types of electrical devices.

With the working efficiency up to 88.5% and the extremely low no-load power consumption below 0.075W, NGE12 is compliant with the latest USA energy regulation EISA 2007/DoE, Canada NRCan, Australia and New Zealand MEPS, EU ErP and CoC version5. The supreme feature allows the adaptor to save the energy when it is under either the operating mode or the standby mode. The entire series is approved for ITE, medical, household and industrial appliance safety regulations; moreover, it adopts the 94V-0 flame retardant plastic case that it can effectively prevent users from electric hazard.

Model Encoding





(USB connection)





















Applications

- Consumer electronic devices
- Telecommunication devices
- · Office facilities
- · Industrial equipments
- · Medical devices
- · Household devices

GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx



SPECIFIC	ATION											
MODEL NO.			NGE12O	□=P1J USB		9-P1J	NGE12O12-P1J	NGE12O15-P1J	NGE12O18-P1J	NGE12O24-P1		
			○ = I, U, I	Ε								
	DC VOLTAGE	Note.2	5V		9V		12V	15V	18V	24V		
	RATED CURR	ENT	2.4A		1.33A		1.0A	0.8A	0.83A	0.625A		
	CURRENT RA	NGE	0 ~ 2.4A		0 ~ 1.33A		0 ~ 1.0A	0~0.8A	0 ~ 0.83A	0 ~ 0.625A		
	RATED POWER		12W		12W		12W	12W	15W	15W		
	RIPPLE & NOI	SE (max.) Note.3	60mVn-n		100mVp-p		120mVp-p	150mVp-p	180mVp-p	240mVp-p		
OUTPUT		ERANCE Note.4			±5.0%		±3.0%	±3.0%	±3.0%	±3.0%		
									±1.0%			
	LINE REGULA		±1.0%		±1.0%		±1.0%	±1.0%		±1.0%		
	LOAD REGUL		±5.0%		±5.0%		±3.0%	±3.0%	±3.0%	±3.0%		
		HOLD UP TIME		-	30VAC	3000ms	s, 30ms, 10ms / 115\	/AC at full load				
	VOLTAGE RAI	NGE Note.7	80 ~ 264VA	C 113 ~	370VDC							
	FREQUENCY	RANGE	47 ~ 63Hz									
	EFFICIENCY (Тур.)	82%		86.5%		87.5%	87%	88.5%	88.5%		
INPUT	AC CURRENT		0.4A / 115V/	AC 0.25A	/ 230VAC				'	1		
	INRUSH CURF				/AC 80A/2	30//\C						
	LEAKAGE CU	RRENI (max.)		,	ns) @264VAC							
	OVERLOAD		-	% rated out	· ·							
PROTECTION	J. LINEVAD					ers aut	omatically after fau	It condition is remove	d			
	OVER VOLTAG	26	115% ~ 140	% rated out	out voltage							
	OVER VOLIA	J L	Protection	type : Clamp	by zener dio	de						
	WORKING TEI	MP.	-30 ~ +70°C	(Refer to "D	erating Curve	!")						
	WORKING HU			RH non-con		,						
ENI/IDOMESTIC					RH non-conde	neina						
ENVIRONMENT		MP., HUMIDITY			arrion-conde	namy						
	TEMP. COEFF	ICIENT	±0.03% / °C	, ,								
	VIBRATION		10 ~ 500Hz	, 2G 10min./	Icycle, period	for 60m	in. each along X, Y,	Z axes				
			RCM AS/NZS 61558-1/-2-16; EAC TPTC004; CCC GB4943.1 approved. (Please refer to next page for more details)									
	WITHSTAND VOLTAGE		I/P-O/P:4000VAC									
	ISOLATION RESISTANCE		I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH									
			Parameter			Standa	ard		Test Level / Note			
			Conducted	Conducted emission BS EN/EN55032(CISPR32)/EN55011 , FCC Part15 ,								
	EMC EMISSION	ı	Conducted et	CNS15936, GB/T 9254.1-2021								
SAFETY &	LWC LWISSION	!	Radiated emi	Radiated emission BS EN/EN55032(CISPR32)/EN55011 , FCC Part15 , CNS15936, GB/T 9254.1-2021								
			Harmonic current BS EN/EN61000-3-2					Class A				
EMC			Parameter							Test Level /Note		
(Note. 8)			ESD				EN61000-4-2	Level 3, 15KV air; Level 2, 8KV contact				
				RF field susceptibility BS EN/EN61000-4-2 BS EN/EN61000-4-3					Level 2, 3V/m			
			EFT bursts	, , , , , , , , , , , , , , , , , , , ,					Level 2, 1KV			
	EMC IMMUNITY	(Surge suscer	ntihility					Level 3. 1KV/L-N			
		-	Conducted si				EN61000-4-5		Level 2, 3V			
				. ,			EN61000-4-6		<u> </u>			
			Magnetic fiel	u mimunity		BS EN/	EN61000-4-8		Level 1, 1A/m			
			Voltage dips	, interruption		BS EN/	EN61000-4-11		>95% dip 0. 5 perio	ds, 30% dip 25 period 250 periods		
	MTBF		1272.8 Khrs	min MII	-HDBK-217F	(25°C)	7192.4 Khrs i	nin Toloordia TD/0	R-332(Bellcore) (25°C	<u>'</u>		
					-1100K-217F	(200)	1 132.4 NIIIS I	iiii. Telcoldia IR/S	11-332(Delicole) (23 (<u> </u>		
	DIMENSION		48*28*55mr	, ,			1			NOTATION IN		
				NGE12lxx-P		lxx-USB			NGE12Uxx-P1J	NGE12Uxx-USB		
OTHERS				112g	71g		127g	86g	112g	71g		
	PACKING	MAIN BODY		96pcs	150pcs		72pcs	120pcs	96pcs	150pcs		
				12.6kg	12.5kg		11.2kg	13.3kg	12.6kg	12.5kg		
			M'MENT	1.02CUFT	0.68CU	FT	1.36CUFT	1.32CUFT	1.02CUFT	0.68CUFT		
		AC PLUGS	Refer to Pa	ge 3								
DC OUTPUT	PLUG	•	See page 7	~8 ; Other tv	pe available b	y custor	mer requested					
CONNECTOR	CABLE						mer requested					
		ers are specified										
NOTE	2.DC voltage: 3.Ripple & no 4.Tolerance: i 5.Line regulat 6.Load regula 7.Derating ma 8.The power:	The output volta ise are measure ncludes set up to ion is measured tion is measured by be needed ur supply is conside	age set at poor age at 20MHz olerance, line from low line of from 0% to older low inpuered as an in	bint measure by using a 1 e regulation, e to high line 100% rated t voltage. Pladependent u	by plug term 2" twisted pa load regulation at rated load load ease check the unit, but the fi	inal & 5 ir termin on. d. ne derati nal equi	io% load. nated with a 0.1uf 8 ing curve for more ipment still need to	details. re-confirm that the wl		s with the		
NOTE	7.Derating ma 8.The power s EMC directi (as available	ay be needed un supply is conside	nder low inputered as an inchesion to the contract of the cont	t voltage. Plandependent of perform the performance of th	ease check the country that the file of the country that	nal equi s, please tement_	ipment still need to e refer to "EMI testi en.pdf)			s with the		

- 9.Design meet US DoE Level VII (from Docket number EERE-2020-BT-STD-0006).

 ** Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx



■ Interchangeable AC Plug Specifically for NGE12/18/30/45/65/90 (I-Type)

Model NO.		NGE	12Ixx- =	P1J USB		NGE12Exx- = P1J USB	NGE12Uxx- =P1J USB
AC plug	EU	US	UK	AU	CN	Non-Interchangeable	Туре
Certificate						CB DEKRA	CB _c Us ce us Raylog Rotts CB C C C C C C C C C C C C C C C C C C

■ AC Plugs Accessory (Sold Seperately)

MW's order NO.	Per Pack	Per Bag	Per C	arton
WW Solder NO.	Photo for one unit	Q'Ty	Q'Ty	G.W.
AC PLUG-EU4		30pcs	300 pcs (10packs)	5.6Kg
AC PLUG-US4	&	30pcs	300 pcs (10packs)	5.3Kg
AC PLUG-UK4		30pcs	300 pcs (10packs)	7.1Kg
AC PLUG-AU4		30pcs	300 pcs (10packs)	5.3Kg
AC PLUG-CN4		30pcs	300 pcs (10packs)	5.4Kg
AC PLUG-MIX4		6*5 Types (EU4*1,US4*1) UK4*1,AU4*1 CN4*1	60*5 Types =300 pcs (10packs)	5.74Kg



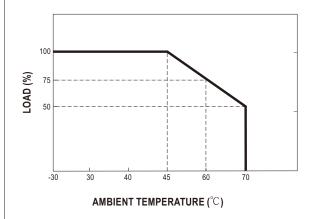
■ Interchangeable AC Plug Installation Steps (Convertible with I Type only)

Step1	Step2				
Slide in AC converter along the guided rail between the metal prongs until it is locked in (with a "click" sound).	Check if the new plug type is stable and correct before use.				

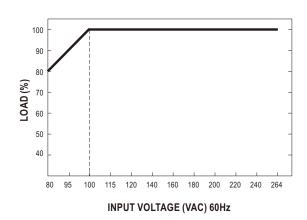
Note:

NGE12I main body unit and AC inlet plug should be ordered separately; It needs to be used along with any of the AC inlet plug (EU,US,UK,AU,CN), the AC plug can be changeable to EU,US,UK,AU,CN type with additional converter.

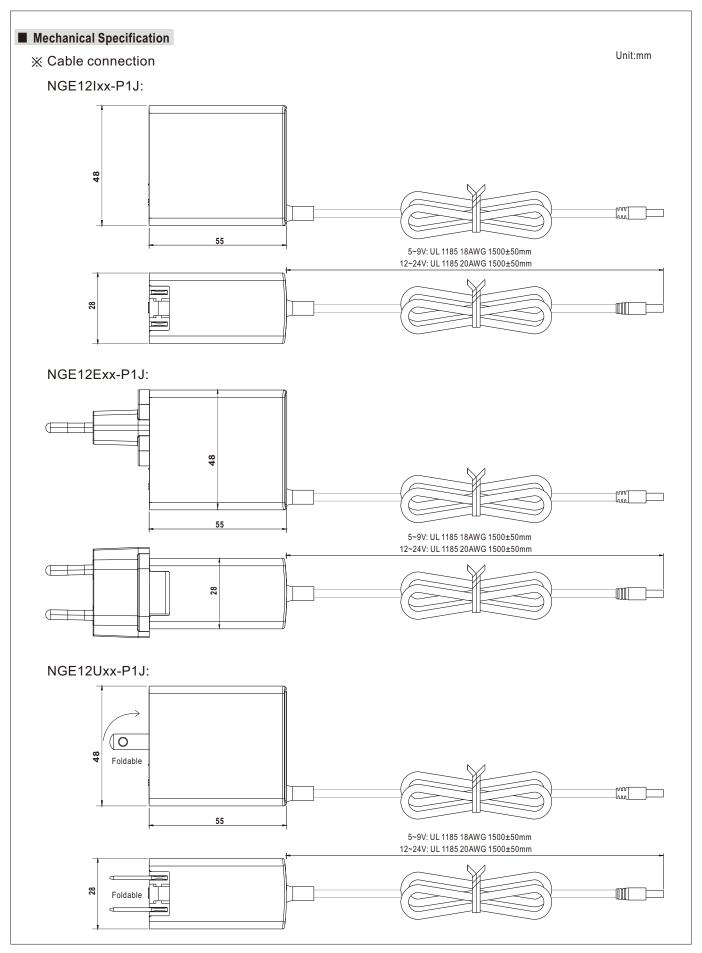
■ Derating Curve



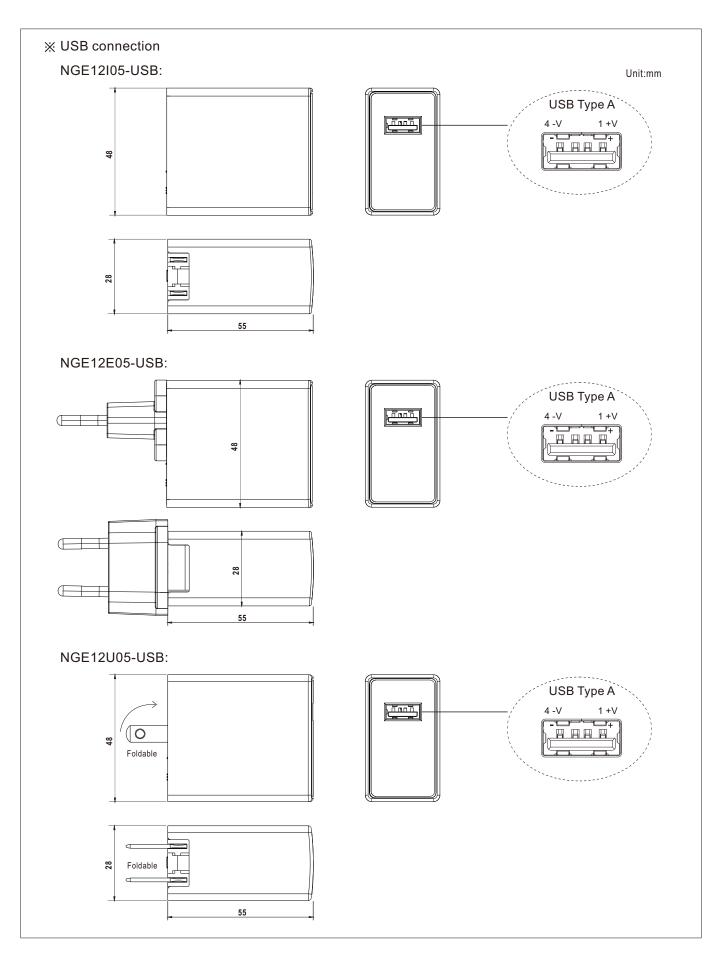
■ Static Characteristics









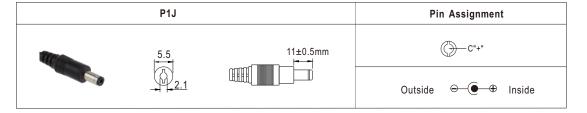




■ DC Output Plug

O Standard plug: P1J

Unit:mm



- O DC plug changeable through:
 - (1) Customization of the standard part with an optional DC plug according to the table (MOQ applicable)
 - (2) Quick adapter accessory (sold separately without MOQ)

 Please refer to below table and online selection guide: https://www.meanwell.com/upload/pdf/DC_plug.pdf

Example quick adapter accessory:



Optional DC plug: (Available in customized cable or quick adapter)

Tuning Fork Style Type No. OD ID Access P1I 5.5 2.1 9.5 P1L 5.5 2.5 9.5	sory
P1L 5.5 2.5 9.5	
	Available
A (Straight) P1M 5.5 2.5 11.0	
$\langle \Omega \rangle$ $\frac{C}{C}$ P1IR 5.5 2.1 9.5	-
P1JR 5.5 2.1 11.0 (Current ratings)	7.5A max.)
P1LR 5.5 2.5 9.5	
(Right-angled) P1MR 5.5 2.5 11.0	
Barrel Style Type No. A B C	
Darrei Style Type No. OD ID L	
C P2I 5.5 2.1 9.5	
P2J 5.5 2.1 11.0	
P2L 5.5 2.5 9.5 Non	ا م
P2L 5.5 2.5 9.5 Non	
P2IR 5.5 2.1 9.5	
P2JR 5.5 2.1 11.0	
(Right-angled) P2LR 5.5 2.5 9.5	
(Right-angled) P2MR 5.5 2.5 11.0	
Look Style Type No A B C	
Lock Style Type No. OD ID L	
Δ Floating Locking (-C-) P2S(S761K) 5.53 2.03 12.06	
P2S(3761K) 5.53 2.03 12.06 P2K(761K) 5.53 2.03 9.52 Non	None
P2C(S760K) 5.53 2.03 9.52	
SWITCHCRAFT original or equivalent P2D(760K) 5.53 2.54 9.52	



	- N	А		В	С	Quick Adapter	
Min. Pin Style	Type No.	OD		ID	L	Accessory	
. A. C	P3A	2.35		0.7	11.0	Available	
	P3B	4.0		1.7	11.0	(Current rating: 5A max.)	
EIAJ equivalent	P3C	4.75		1.7	11.0	(Garrent raung Griman)	
Center Pin Style	Type No.	А	В	С	D		
Center Fin Style	Type No.	OD	ID	L	Center Pin		
(A) (A) (C)	P4A	5.5	3.4	11.0	1.0	Available	
	P4B	6.5	4.4	11.0	1.4	(Current rating: 7.5A max.)	
EIAJ equivalent	P4C	7.4	5.1	11.0	0.6		
Min. DIN 3 Pin with Lock (male)	Type No.	Р	in Assi	gnment			
Willi. DIN 3 Pill Willi Lock (Illale)	туре по.	PIN No).	Output		Available	
		1		+Vo			
(°°) ₁ 2	R6B	2		-Vo)	(Current rating: 7.5A max.)	
KYCON KPPX-3P equivalent		3		+Vo)		
	T NI -	Pin Assignment					
Min. DIN 4 Pin with Lock (male)	Type No.	PIN No).	Outpu	ıt		
		1		+Vo -Vo		Available	
2 3 IIIII A	R7B	2				(Current rating: 7.5A max.)	
KYCON KPPX-4P equivalent		3		-Vo			
TOOM TALL OUR TOOL		4		+\/(
Stripped and tinned leads	Type No.			gnment			
Chipped and mined leads	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	PIN No).	Outp	ut		
1	by customer	1 (Ribbed	1)	+V()	None	
L1 Length of Land L1 by request (MW's standard length, L: <u>25</u> mm, L1: <u>10</u> mm)	by oddiomor	2 (Letter)	-Vo			

■ Installation Manual

Please refer to: http://www.meanwell.com/manual.html













CB PDEKRA FECE LA W Energy Verified Rendement Properties From the Company of the































- MEANWELL Patent Application Number: 202330347779.4
- Interchangeable AC plugs
- · Global certificates in multi-fields (ITE 62368-1, Medical 60601-1, Household 60335-1, Industrial 61558-1/-2-16)
- Universal AC input / Full range
- Ultra slim(28mm)
- No load power consumption < 0.075W
- Energy efficiency Level VI
- Class II power (no earth pin)
- Protections: Short circuit / Overload / Over voltage
- Pass LPS
- Extremely leakage current <100uA
- -30°C ~+70°C wide range working temperature
- · Various DC plug quick adapter accessory available (Plug kit sold sperately, please refer to: https://www.meanwell.com/upload/pdf/DC_plug.pdf)
- · 3 years warranty

Description

NGE18 is a highly reliable, 18W wall-mounted style single-output green adaptor series, which is compact and convenient for carry. This product is equipped with 5 types of interchangeable AC plug (European, USA,U.K., Australian and China type) that makes it very suitable for travel use. NGE18 is a class II power unit (no FG), accepting the Input range from 80VAC to 264VAC that it can satisfy the demands for various types of electrical devices.

With the working efficiency up to 88% and the extremely low no-load power consumption below 0.075W, NGE18 is compliant with the latest USA energy regulation EISA 2007/DoE, Canada NRCan, Australia and New Zealand MEPS, EU ErP and CoC version5. The supreme feature allows the adaptor to save the energy when it is under either the operating mode or the standby mode. The entire series is approved for ITE, medical household and industrial appliance safety regulations; moreover, it adopts the 94V-0 flame retardant plastic case that it can effectively prevent users from electric hazard.

Model Encoding



Applications

- Consumer electronic devices
- Telecommunication devices
- · Office facilities
- Industrial equipments
- · Medical devices
- · Household devices

GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx



SPECIFICATION

MODEL NO.				IGE18 ○ 09-P1J	NGE18 ○ 12-P1J	NGE18 () 15-P1J	NGE18 () 18-P1J	NGE18 ○ 24-P1	
1	DO VOLTA OF		○ = I, U, E	21.7	101/	45)/	401/	0.07	
	DC VOLTAGE	Note.2		9V	12V	15V	18V	24V	
	RATED CURRE			2A	1.5A	1.2A	1A	0.75A	
	CURRENT RAN) ~ 2A	0 ~ 1.5A	0 ~ 1.2A	0 ~ 1A	0 ~ 0.75A	
OUTPUT	RATED POWE	₹	15W 1	18W	18W	18W	18W	18W	
	RIPPLE & NOIS	SE (max.) Note.3	60mVp-p 1	100mVp-p	120mVp-p	150mVp-p	180mVp-p	240mVp-p	
	VOLTAGE TOL	ERANCE Note.4	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±3.0%	
	LINE REGULA	ΓΙΟΝ Note.5	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	LOAD REGULA	ATION Note.6	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±3.0%	
	SETUP, RISE, I	HOLD UP TIME	1500ms, 30ms, 30ms /	230VAC 3000r	ns, 30ms, 10ms / 115\	/AC at full load	·	-	
	VOLTAGE RAN			~ 370VDC	-,,				
	FREQUENCY F	PANGE	47 ~ 63Hz						
	EFFICIENCY (1			37.5%	87%	87%	88%	88%	
INPUT	AC CURRENT	JP -/		A / 230VAC	0170	0170	10070	1 00 70	
-		ENT (many)			^				
-	INRUSH CURR		COLD START 40A / 115						
	LEAKAGE CUP	RRENT (max.)	Touch current < 100uA (, 0					
	OVERLOAD		110% ~ 150% rated ou						
PROTECTION			Protection type : Hiccu	· · · · · · · · · · · · · · · · · · ·	utomatically after far	ult condition is remov	ed		
	OVER VOLTAG	F	115% ~ 140% rated ou	tput voltage					
	OVER VOLIAC	_	Protection type : Clam	p by zener diode					
	WORKING TEN	IP.	-30 ~ +70°C (Refer to "	Derating Curve")					
	WORKING HUI	MIDITY	20% ~ 90% RH non-coi	ndensing					
ENVIRONMENT	STORAGE TEN	IP HUMIDITY	-20 ~ +85°C, 10 ~ 95%	RH non-condensing					
	TEMP. COEFFI		±0.03% / °C (0 ~ 45°C)						
	VIBRATION	OILITI	10 ~ 500Hz, 2G 10min.		Omin oach along V V	7 0 0 0 0			
	SAFETY STAN	DARDS	CB IEC62368-1, IEC60601-1/-1-11, IEC61558-1/-2-16, IEC60335-1; UL UL62368-1, CSA C22.2 NO. 62368-1, ANSI/AAMI ES60601-1/-1-11(3.2 Version), CAN/CSA-C22. DEKRA BS EN/EN62368-1, BS EN/EN60601-1/-1-11, BS EN/EN61558-1/-2-16, BS EN/EN60335-1; PSE J62368-1; BSMI CNS15598-1; RCM AS/NZS 61558-1/-2-16; EAC TPTC004; CCC GB4943.1 approved. (Please refer to next page for more details)					.2 NO.60601-1/-1-	
	WITHSTAND V	OLTAGE	I/P-O/P:4000VAC	ago ioi moro aotam	- /				
	ISOLATION RE		I/P-O/P:100M Ohms / 5	500\/DC / 25°C / 70%	DH				
	ISOLATION KE	SISTANCE	Parameter	Standard	IXII		Test Level / Note		
			raiailletei		.032/CISPR32\/EN550	11 FCC Part15	Test Level/ Note		
			Conducted emission	BS EN/EN55032(CISPR32)/EN55011 , FCC Part15 , ducted emission					
	EMC EMISSION		Conducted emission	BS EN/EN55032(CISPR32)/EN55011 , FCC Part15 ,					
			Radiated emission		GB/T 9254.1-2021	Class B			
			Harmonic current	BS EN/EN610			Class A		
			Parameter		,00 0 Z		Test Level /Note		
SAFETY &				Standard	100 4 0			-10 0101/tt	
EMC (Note. 8)			ESD	BS EN/EN610			Level 3, 15KV air; Lev	ei 2, 8KV contact	
			RF field susceptibility	BS EN/EN610			Level 2, 3V/m		
			EFT bursts	BS EN/EN610	000-4-4		Level 2, 1KV		
I	EMC IMMUNITY		Surge susceptibility	BS EN/EN610	000-4-5		Level 3, 1KV/L-N		
LING IMMORT			Conducted susceptibility	BS EN/EN610	000-4-6		Level 2, 3V		
			Magnetic field immunity	BS EN/EN610	000-4-8		Level 1, 1A/m		
				ps_interruntion					
			Voltage dips , interruption	BS EN/EN610	000-4-11		>95% interruptions 2	· · · · · ·	
	MTBF		• • • •	BS EN/EN610 L-HDBK-217F (25°C		min. Telcordia TR/S	>95% interruptions 2 SR-332(Bellcore) (25°C	250 periods	
	MTBF DIMENSION		• • • •			min. Telcordia TR/S		250 periods	
	DIMENSION	MAIN BODY	1272.8 Khrs min. MI	 L-HDBK-217F (25℃	7192.4 Khrs			250 periods	
		MAIN BODY AC PLUGS	1272.8 Khrs min. MI 48*28*55mm (L*W*H)	 L-HDBK-217F (25℃	7192.4 Khrs		SR-332(Bellcore) (25°C	250 periods	
OTHERS	DIMENSION PACKING		1272.8 Khrs min. MI 48*28*55mm (L*W*H) 112g; 96pcs/ 12.6Kg /	L-HDBK-217F (25°C	7192.4 Khrs		SR-332(Bellcore) (25°C	250 periods	
OTHERS	PACKING PLUG CABLE	AC PLUGS	1272.8 Khrs min. MI 48*28*55mm (L*W*H) 112g; 96pcs/ 12.6Kg / 12.6K	L-HDBK-217F (25°C) 1.02CUFT for NGE18 type available by custype available available by custype available by custype available avail	7192.4 Khrs Blxx/Uxx-P1J 12 stomer requested stomer requested		SR-332(Bellcore) (25°C	250 periods	
OTHERS DC OUTPUT	PLUG CABLE 1.All paramete 2.DC voltage: 3.Ripple & noi 4.Tolerance: ir 5.Line regulati 6.Load regulat 7.Derating ma 8.The power s EMC directiv (as available	rs are specified The output volta se are measure cludes set up to on is measured ion is measured y be needed un upply is conside res. For guidanc on https://www	1272.8 Khrs min. MI 48*28*55mm (L*W*H) 112g; 96pcs/ 12.6Kg / 1 Refer to Page 3 See page 6~7; Other to	L-HDBK-217F (25°C 1.02CUFT for NGE18 type available by custype availab	7192.4 Khrs Blxx/Uxx-P1J 12 stomer requested tomer requested ambient. 50% load. ninated with a 0.1uf of the control of th	3. 47uf capacitor. details. re-confirm that the w	SR-332(Bellcore) (25°C) 36CUFT for NGE18Ex	v:50 periods v:7) x-P1J	



■ Interchangeable AC Plug Specifically for NGE12/18/30/45/65/90 (I-Type)

		NGE	18lxx-P1J		NGE18Exx-P1J	NGE18Uxx-P1J	
Model NO.		4					
		Inter	changeable	е Туре			
AC plug	EU	US	UK	AU	CN	Non-Interchangeable	Туре
Certificate				Wus 🕭 UK FC		CB ≥DEKRA EHI C €	CB _c Us c UL us R33100 ROHS ROHS

■ AC Plugs Accessory (Sold Seperately)

MW's order NO.	Per Pack	Per Bag	Per Ca	irton
WW Solder NO.	Photo for one unit	Q'Ty	Q'Ty	G.W.
AC PLUG-EU4		30pcs	300 pcs (10packs)	5.6Kg
AC PLUG-US4	&	30pcs	300 pcs (10packs)	5.3Kg
AC PLUG-UK4		30pcs	300 pcs (10packs)	7.1Kg
AC PLUG-AU4		30pcs	300 pcs (10packs)	5.3Kg
AC PLUG-CN4		30pcs	300 pcs (10packs)	5.4Kg
AC PLUG-MIX4		6*5 Types (EU4*1,US4*1) UK4*1,AU4*1 CN4*1	60*5 Types =300 pcs (10packs)	5.74Kg



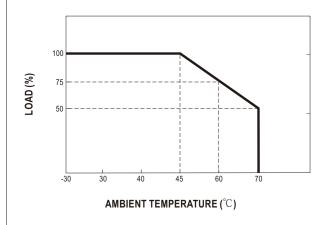
■ Interchangeable AC Plug Installation Steps (Convertible with I Type only)

Step1	Step2
Slide in AC converter along the guided rail between the metal prongs until it is locked in (with a "click" sound).	Check if the new plug type is stable and correct before use.

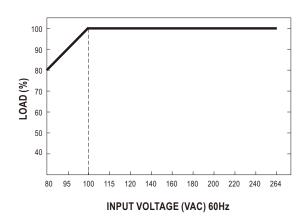
Note:

NGE18I main body unit and AC inlet plug should be ordered separately; It needs to be used along with any of the AC inlet plug (EU,US,UK,AU,CN), the AC plug can be changeable to EU,US,UK,AU,CN type with additional converter.

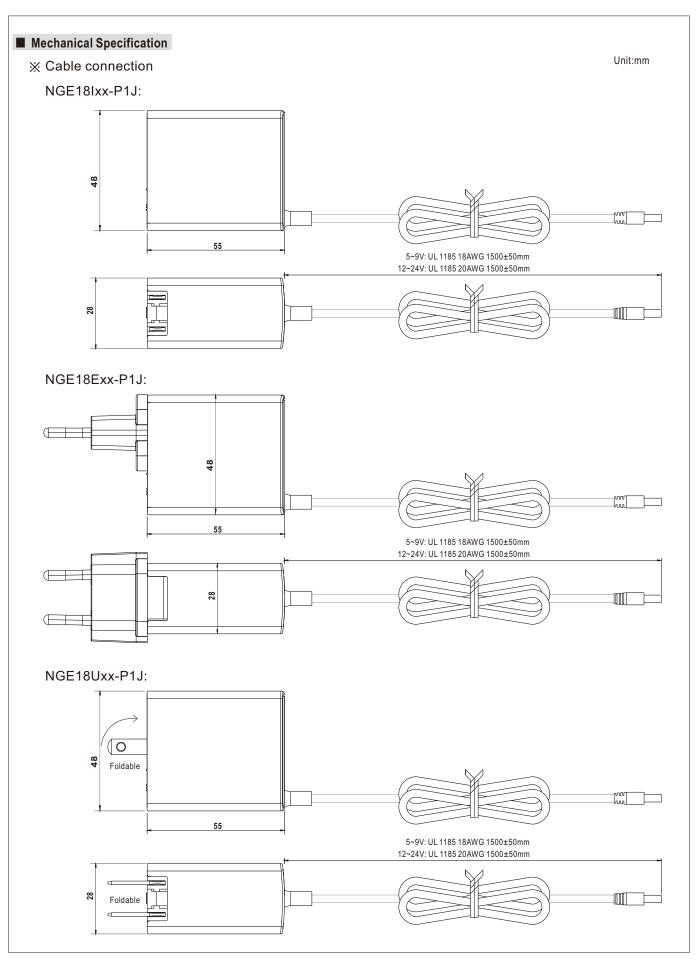
■ Derating Curve



■ Static Characteristics





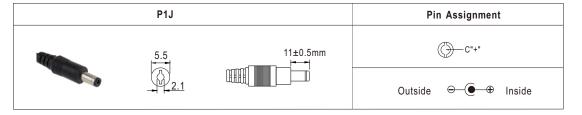




■ DC Output Plug

O Standard plug: P1J

Unit:mm



- O DC plug changeable through:
 - (1) Customization of the standard part with an optional DC plug according to the table (MOQ applicable)
 - (2) Quick adapter accessory (sold separately without MOQ)

 Please refer to below table and online selection guide: https://www.meanwell.com/upload/pdf/DC_plug.pdf

Example quick adapter accessory:



Optional DC plug: (Available in customized cable or quick adapter)

	Tuning Fo	k Style	Type No.	А	В	С	Quick Adapter	
		K Ciyle	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	OD	ID	L	Accessory	
		_ C - 	P1I	5.5	2.1	9.5		
			P1L	5.5	2.5	9.5		
Welling	- A-	(Straight)	P1M	5.5	2.5	11.0	Available	
		_ C	P1IR	5.5	2.1	9.5		
	<u>-</u> ∏-₽		P1JR	5.5	2.1	11.0	(Current rating: 7.5A max.)	
		(Dialet acceled)	P1LR	5.5	2.5	9.5		
		(Right-angled)	P1MR	5.5	2.5	11.0		
Barrel Style			Type No.	Α	В	С		
	Type No.	OD	ID	L				
	A B	. C .	P2I	5.5	2.1	9.5		
				P2J	5.5	2.1	11.0	
					P2L	5.5	2.5	9.5
		(Straight)	P2M	5.5	2.5	11.0	INOTIC	
		Θ_{B}	_ C -	P2IR	5.5	2.1	9.5	
			P2JR	5.5	2.1	11.0		
			P2LR	5.5	2.5	9.5		
		(Right-angled)	P2MR	5.5	2.5	11.0		
	Lock S	tylo	Type No.	Α	В	С		
	LUCKS	tylo	Type No.	OD	ID	L		
—	A	Floating Locking - C-	P2S(S761K)	5.53	2.03	12.06	None	
			P2K(761K)	5.53	2.54	12.06	None	
		MB (P2C(S760K)	5.53	2.03	9.52	
Ť		SWITCHCRAFT original or equivalent	P2D(760K)	5.53	2.54	9.52		



Min. Pin Style	Type No.	A OD		В	С	Quick Adapter
. C .	P3A	2.35		D.7	11.0	Accessory
		4.0		1.7	11.0	Available
B LIAIL B	P3B P3C	4.75	_	1.7	11.0	(Current rating: 5A max.)
EIAJ equivalent	F30	A A	В	C	D	
Center Pin Style	Type No.	OD	ID	ı	Center Pin	
LA L	P4A	5.5	3.4	11.0	1.0	Available
	P4B	6.5	4.4	11.0	1.4	(Current rating: 7.5A max.)
ElAJ equivalent	P4C	7.4	5.1	11.0	0.6	
·	Tura Ma	Р	in Assi	gnment		
Min. DIN 3 Pin with Lock (male)	Type No.	PIN No		Output		Available (Current rating: 7.5A max.)
		1		+Vo		
	R6B	2		-Vo		
KYCON KPPX-3P equivalent		3		+Vo		
	T 11	Pin Assignment				
Min. DIN 4 Pin with Lock (male)	Type No.	PIN No. Output				
		1		+Vo		Available
2 3	R7B	2		-Vo -Vo		(Current rating: 7.5A max.)
KYCON KPPX-4P equivalent	2	3				
		4		+\(
Stripped and tinned leads	Type No.		in Assi			
ompred and mined reduc	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	PIN No).	Outp	ut	
1	by customer	1 (Ribbed)	+Vo)	None
L I Length of Land L1 by request (MW's standard length, L: <u>25</u> mm, L1: <u>10</u> mm)		2 (Letter)	-Vo		

■ Installation Manual

Please refer to : http://www.meanwell.com/manual.html













































Features

- MEANWELL Patent Application Number: 202330347779.4
- Interchangeable AC plugs
- Global certificates in multi-fields (ITE 62368-1, Medical 60601-1, Household 60335-1, Industrial 61558-1/-2-16)
- Universal AC input / Full range
- Ultra slim(30mm)
- No load power consumption < 0.075W
- Energy efficiency Level VI
- Class II power (no earth pin)
- Protections: Short circuit / Overload / Over voltage
- Pass LPS
- Extremely leakage current <100uA
- -30°C ~+70°C wide range working temperature
- · Various DC plug quick adapter accessory available (Plug kit sold sperately, please refer to: https://www.meanwell.com/upload/pdf/DC plug.pdf)
- 3 years warranty

Description

NGE30 is a highly reliable, 30W wall-mounted style single-output green adaptor series, which is compact and convenient for carry. This product is equipped with 5 types of interchangeable AC plug (European, USA, U.K., Australian and China type) that makes it very suitable for travel use. NGE30 is a class II power unit (no FG), accepting the Input range from 80VAC to 264VAC that it can satisfy the demands for various types of electrical devices.

With the working efficiency up to 91.5% and the extremely low no-load power consumption below 0.075W, NGE30 is compliant with the latest USA energy regulation EISA 2007/DoE, Canada NRCan, Australia and New Zealand MEPS, EU ErP and CoC version5. The supreme feature allows the adaptor to save the energy when it is under either the operating mode or the standby mode. The entire series is approved for ITE, medical, household and industrial appliance safety regulations; moreover, it adopts the 94V-0 flame retardant plastic case that it can effectively prevent users from electric hazard.

Model Encoding



Applications

- · Consumer electronic devices
- Telecommunication devices
- · Office facilities
- Industrial equipments
- Medical devices
- · Household devices

GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx



SPECIFICATION

VOLTAGE TOLI LINE REGULAT LOAD REGULA SETUP, RISE, H VOLTAGE RAN FREQUENCY R EFFICIENCY (T AC CURRENT NRUSH CURRI	GE t E (max.) Note.3 ERANCE Note.4	O = I, U, E 5V 4A 0 ~ 4A 20W	9V 3.33A 0 ~ 3.33A 30W	12V 2.5A	15V 2A	18V 1.66A	24V 1.25A	48V	
RATED CURRE CURRENT RAN RATED POWER RIPPLE & NOIS VOLTAGE TOLE LINE REGULAT LOAD REGULA SETUP, RISE, H VOLTAGE RAN FREQUENCY R EFFICIENCY (T AC CURRENT NRUSH CURRE	NT GE C E (max.) Note.3 ERANCE Note.4	5V 4A 0 ~ 4A 20W	3.33A 0 ~ 3.33A	2.5A	-				
RATED CURRE CURRENT RAN RATED POWER RIPPLE & NOIS VOLTAGE TOLE LINE REGULAT LOAD REGULA SETUP, RISE, H VOLTAGE RAN FREQUENCY R EFFICIENCY (T AC CURRENT NRUSH CURRE	NT GE C E (max.) Note.3 ERANCE Note.4	4A 0~4A 20W	3.33A 0 ~ 3.33A	2.5A	-				
CURRENT RAN RATED POWER RIPPLE & NOIS FOLTAGE TOLE LINE REGULAT LOAD REGULA SETUP, RISE, H FOLTAGE RAN FREQUENCY R EFFICIENCY (T AC CURRENT NRUSH CURRE	GE t E (max.) Note.3 ERANCE Note.4	0 ~ 4A 20W	0 ~ 3.33A		2Δ	1 66Δ	1.25A	0.004	
RATED POWER RIPPLE & NOIS /OLTAGE TOLE LINE REGULAT LOAD REGULA SETUP, RISE, H /OLTAGE RAN FREQUENCY R EFFICIENCY (T AC CURRENT NRUSH CURRI	E (max.) Note.3 ERANCE Note.4	20W	0 ~ 3.33A	0.054				0.63A	
RATED POWER RIPPLE & NOIS /OLTAGE TOLE LINE REGULAT LOAD REGULA SETUP, RISE, H /OLTAGE RAN FREQUENCY R EFFICIENCY (T AC CURRENT NRUSH CURRI	E (max.) Note.3 ERANCE Note.4	20W		0 ~ 2.5A	0 ~ 2A	0 ~ 1.66A	0 ~ 1.25A	0 ~ 0.63A	
RIPPLE & NOIS /OLTAGE TOLE LINE REGULAT LOAD REGULA SETUP, RISE, H /OLTAGE RAN FREQUENCY R EFFICIENCY (T) AC CURRENT NRUSH CURRI	E (max.) Note.3 ERANCE Note.4		3000	30W	30W	30W	30W	30W	
VOLTAGE TOLI LINE REGULAT LOAD REGULA SETUP, RISE, H VOLTAGE RAN FREQUENCY R EFFICIENCY (T AC CURRENT NRUSH CURRI	ERANCE Note.4	100mvp-p	400						
LINE REGULAT LOAD REGULA SETUP, RISE, H OLTAGE RAN FREQUENCY R EFFICIENCY (T AC CURRENT NRUSH CURRI			100mVp-p	120mVp-p	150mVp-p	180mVp-p	240mVp-p	240mVp-p	
OAD REGULA SETUP, RISE, H OLTAGE RAN FREQUENCY R EFFICIENCY (T) AC CURRENT NRUSH CURRI	ION Note F		±5.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%	
SETUP, RISE, H VOLTAGE RAN FREQUENCY R EFFICIENCY (T AC CURRENT NRUSH CURRI		±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
OLTAGE RANGE RANGE REQUENCY REFFICIENCY (TAC CURRENT NRUSH CURRI	TION Note.6	±5.0%	±5.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%	
FREQUENCY R EFFICIENCY (T AC CURRENT NRUSH CURRI	OLD UP TIME	1500ms, 30ms, 30	ms / 230VAC	3000ms, 30ms, 10	Oms / 115VAC at ful	l load			
EFFICIENCY (T AC CURRENT NRUSH CURRI	GE Note.7	80 ~ 264VAC	113 ~ 370VDC						
AC CURRENT NRUSH CURRI	ANGE	47 ~ 63Hz							
AC CURRENT NRUSH CURRI	vp.)	82.5%	87.5%	88.5%	87%	88%	88.5%	91.5%	
NRUSH CURRI	, , , , , , , , , , , , , , , , , , ,	1A / 115VAC 0	6A / 230VAC						
	ENT (may)	COLD START 35A		\					
EAKAGE CUR	RENI (max.)	Touch current < 100	, , ,	AC					
		110% ~ 150% rate	<u>. </u>		U 6 6 U P				
OVERLOAD				e, recovers automatical latch off o/p voltage,					
				1 0 /	16-hower our to teco.	voi.			
OVER VOLTAG	E								
WORKING TEM	P	- '		ırve")					
WORKING HUN	IIDITY	20% ~ 90% RH no	n-condensing						
STORAGE TEM	P., HUMIDITY	-20 ~ +85°C, 10 ~	95% RH non-cor	ndensing					
TEMP. COEFFIC	CIENT	±0.03% / °C (0 ~ 4	5°C)						
/IBRATION		,	,	iod for 60min, each a	long X. Y. Z axes				
1.510111011			,			1.			
WITHSTAND VO	DLTAGE	I/P-O/P:4000VAC							
SOLATION RE	SISTANCE	I/P-O/P:100M Ohr	ns / 500VDC / 25	5°C / 70% RH					
		Parameter Standard Test Level / Note							
		Canduated amission	BS						
EMC EMISSION		CNS15936, GB/T 9254.1-2021 BS EN/EN55032(CISPR32)/EN55011 , FCC Part15 ,					Class B		
							Olara A		
		ESD						2, 8KV contact	
		RF field susceptibil	ty BS i	EN/EN61000-4-3		L	evel 2, 3V/m		
		EFT bursts	BSI	EN/EN61000-4-4		L	evel 2, 1KV		
EMC IMMUNITY		Surge susceptibility	BSI	EN/EN61000-4-5		L	evel 3, 1KV/L-N		
		Conducted suscepti	bility BS I	EN/EN61000-4-6		L	evel 2, 3V		
		Magnetic field immu	nity BS	EN/EN61000-4-8		L	evel 1, 1A/m		
		Voltage dips , interru	uption BS	EN/EN61000-4-11					
MTBF		1078.6 Khrs min.	MIL-HDBK-21	7F (25°C) 758	7.5 Khrs min. Te	elcordia TR/SR-3	32(Bellcore) (25°C)		
DIMENSION		62*30*65mm (L*W	/*H)						
VCKING	MAIN BODY	148g; 60pcs/ 10.5l	Kg / 0.91CUFT fo	or NGE30Ixx/Uxx-P1J	162g; 45pcs	/ 9.2Kg / 1.06CU	FT for NGE30Exx-P1	J	
AUNINU	AC PLUGS	Refer to Page 3							
PLUG		See page 6~7; O	ther type availab	le by customer reque	sted				
CABLE		See page 6~7; O	ther type availab	le by customer reque	sted				
2.DC voltage: 7 3.Ripple & nois 4.Tolerance: in	The output volta se are measure cludes set up to	ige set at point me d at 20MHz by usin blerance, line regula	asure by plug te ng a 12" twisted ation, load regul	erminal & 50% load. pair terminated with ation.	a 0.1uf & 47uf cap	pacitor.			
6.Load regulating. 7.Derating may 8.The power sum EMC directive (as available 9.Design meet	on is measured to be needed unupply is conside es. For guidanc on https://www.US DoE Level	from 0% to 100% der low input voltage ared as an indepen e on how to perfor meanwell.com//Up VII (from Docket n	rated load ge. Please chec dent unit, but th m these EMC to load/PDF/EMI_s umber EERE-20	k the derating curve e final equipment stil ests, please refer to ' statement_en.pdf) 020-BT-STD-0006).	I need to re-confirr 'EMI testing of con	nponent power s	supplies."	th the	
N N S I E I I I I I I I I I I I I I I I I I	ORKING TEM ORKING HUM TORAGE TEM EMP. COEFFIC BRATION AFETY STAND OLATION RES MC EMISSION MC IMMUNITY TBF MENSION ACKING LUG ABLE All parameter DC voltage: Tolerance: in Line regulatic Load regulatic Derating may The power st EMC directive (as available Design meet	AFETY STANDARDS ITHSTAND VOLTAGE OLATION RESISTANCE MC EMISSION MC IMMUNITY TBF MENSION ACKING ACKING AC PLUGS ABLE All parameters are specified DC voltage: The output volta. Ripple & noise are measured. The provence: includes set up to the cline regulation is measured berating may be needed under the power supply is conside EMC directives. For guidance (as available on https://www.Design meet US DoE Level	Protection type:: ORKING TEMP. ORKING HUMIDITY CORAGE TEMP., HUMIDITY EMP. COEFFICIENT BRATION ORKING BEATION TORAGE TEMP., HUMIDITY EMP. COEFFICIENT BRATION CB IEC6236 UL UL62366 DEKRA BS ENVE PSE J62368-1 RCM AS/NZS 6 CCC GB4943. (Please refer to no incomplete in the complete in the	Protection type: Clamp by zener ORKING TEMP. ORKING HUMIDITY 100 ~ 90% RH non-condensing 100 ~ 95% RH non-condensing 100 ~ 95% RH non-condensing 100 ~ 90% RH non-condensing 100 ~ 95%	Protection type: Clamp by zener diode	Protection type : Clamp by zener diode	Protection type : Clamp by zener diode	Protection type : Clamp by zener diode	



■ Interchangeable AC Plug Specifically for NGE12/18/30/45/65/90 (I-Type)

		NGE	30lxx-P1J		NGE30Exx-P1J	NGE30Uxx-P1J	
Model NO.					The state of the s	EX DEPARTMENT OF THE PARTMENT	
		Inter	changeable	е Туре			
AC plug	EU	US	UK	AU	CN	Non-Interchangeable	Туре
Certificate				(H) IS ACE		CB ≥DEKRA EHI C €	CBc SU us c Qu us RANGE A PROPERTY OF THE PRO

■ AC Plugs Accessory (Sold Seperately)

MW's order NO.	Per Pack	Per Bag	Per Carton		
WW Solder NO.	Photo for one unit	Q'Ty	Q'Ty	G.W.	
AC PLUG-EU4		30pcs	300 pcs (10packs)	5.6Kg	
AC PLUG-US4	&	30pcs	300 pcs (10packs)	5.3Kg	
AC PLUG-UK4		30pcs	300 pcs (10packs)	7.1Kg	
AC PLUG-AU4	**	30pcs	300 pcs (10packs)	5.3Kg	
AC PLUG-CN4		30pcs	300 pcs (10packs)	5.4Kg	
AC PLUG-MIX4		6*5 Types (EU4*1,US4*1) UK4*1,AU4*1 CN4*1	60*5 Types =300 pcs (10packs)	5.74Kg	



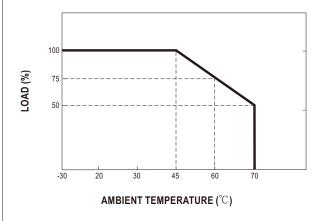
■ Interchangeable AC Plug Installation Steps (Convertible with I Type only)

Step1	Step2
Slide in AC converter along the guided rail between the metal prongs until it is locked in (with a "click" sound).	Check if the new plug type is stable and correct before use.

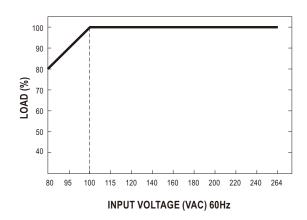
Note:

NGE30I main body unit and AC inlet plug should be ordered separately; It needs to be used along with any of the AC inlet plug (EU,US,UK,AU,CN), the AC plug can be changeable to EU,US,UK,AU,CN type with additional converter.

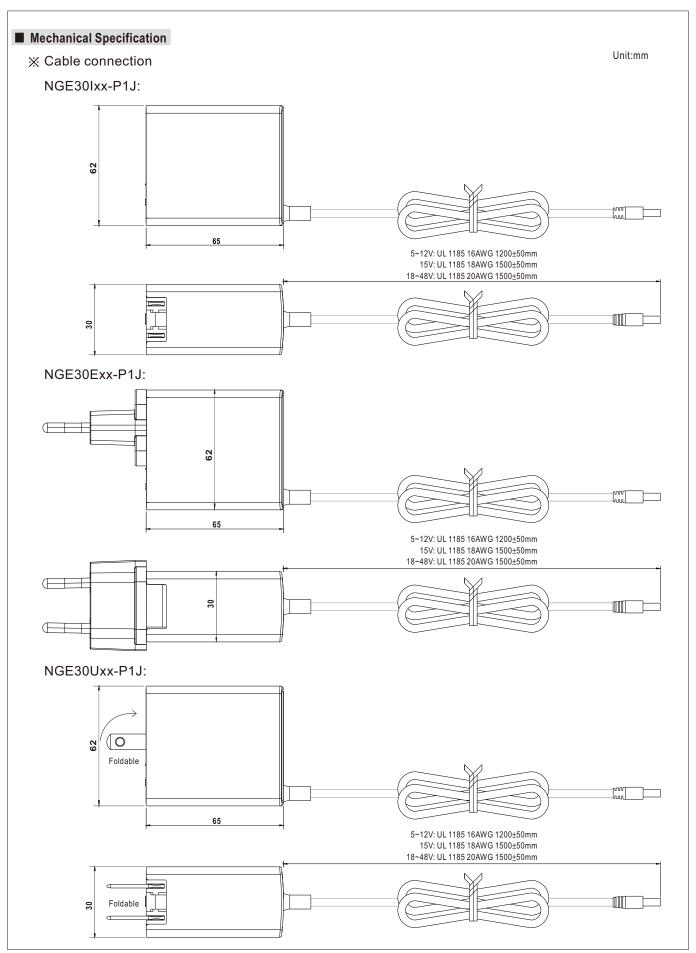
■ Derating Curve



■ Static Characteristics





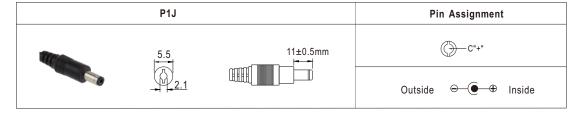




■ DC Output Plug

O Standard plug: P1J

Unit:mm



- O DC plug changeable through:
 - (1) Customization of the standard part with an optional DC plug according to the table (MOQ applicable)
 - (2) Quick adapter accessory (sold separately without MOQ)

 Please refer to below table and online selection guide: https://www.meanwell.com/upload/pdf/DC_plug.pdf

Example quick adapter accessory:



Optional DC plug: (Available in customized cable or quick adapter)

7	Tuning For	rk Style	Type No.	Α	В	С	Quick Adapter		
'	i uning i oi	K Otyle	турстчо.	OD	ID	L	Accessory		
		- C	P1I	5.5	2.1	9.5			
			P1L	5.5	2.5	9.5			
THE	_A_	(Straight)	P1M	5.5	2.5	11.0	A! a a a		
		C	P1IR	5.5	2.1	9.5	Available		
	-J-B		P1JR	5.5	2.1	11.0	(Current rating: 7.5A max.)		
			P1LR	5.5	2.5	9.5			
		(Right-angled)	P1MR	5.5	2.5	11.0			
	Type No.	Α	В	С					
	Type No.	OD	ID	L					
	(Straight)	. C .	P2I	5.5	2.1	9.5			
					P2J	5.5	2.1	11.0	
				Α.		P2L	5.5	2.5	9.5
		(Straight)	P2M	5.5	2.5	11.0	IVOIIC		
	Θ_{B}	C	P2IR	5.5	2.1	9.5			
_	-		P2JR	5.5	2.1	11.0			
		(Right-angled)	P2LR	5.5	2.5	9.5			
		(Right-angled)	P2MR	5.5	2.5	11.0			
	Look S	tylo	Type No.	Α	В	С			
Lock Style			Type No.	OD	ID	L			
	A	Floating Locking	P2S(S761K)	5.53	2.03	12.06	None		
				P2K(761K)	5.53	2.54	12.06	None	
66				P2C(S760K)	5.53	2.03	9.52		
•	1 1-	SWITCHCRAFT original or equivalent	P2D(760K)	5.53	2.54	9.52			



Min. Pin Style	Type No.	А		В	С	Quick Adapter	
Willi. Fill Style	турстчо.	OD		ID	L	Accessory	
.A. C +	P3A	2.35	(0.7	11.0	Available (Current rating: 5A max.)	
	P3B	4.0		1.7	11.0		
EIAJ equivalent	P3C	4.75		1.7	11.0	(Gurrentraung, Greman)	
Contor Din Style	Type No.	А	В	С	D		
Center Pin Style	Type No.	OD	ID	L	Center Pin		
A C	P4A	5.5	3.4	11.0	1.0	Available	
	P4B	6.5	4.4	11.0	1.4	(Current rating: 7.5A max.)	
EIAJ equivalent	P4C	7.4	5.1	11.0	0.6		
·	Tuna Na	Р	in Assi	gnment			
Min. DIN 3 Pin with Lock (male)	Type No.	PIN No		Output			
		1		+Vc)	Available	
	R6B	2		-Vo		(Current rating: 7.5A max.)	
KYCON KPPX-3P equivalent		3		+Vc)		
	T 11	Pin Assignment					
Min. DIN 4 Pin with Lock (male)	Type No.	PIN No. Output					
		1		+Vo		Available	
23 [[]] 中国中国	R7B	2		-Vo)	(Current rating: 7.5A max.)	
KYCON KPPX-4P equivalent	1112	3	-\				
TOOM KIT X-41 Equivalent		4		+\/(_		
Stripped and tinned leads	Type No.	Р	in Assi	gnment			
Ottipped and tillied leads	Type No.	PIN No	٠.	Outp	ut		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	by customer	1 (Ribbed)	+Vo)	None	
L I Length of Land L1 by request (MW's standard length, L: <u>25</u> mm, L1: <u>10</u> mm)	2, 000.001	2 (Letter)	-Vo			

■ Installation Manual

Please refer to: http://www.meanwell.com/manual.html

































- MEANWELL Patent Application Number: 202330347779.4
- Interchangeable AC plugs
- Global certificates in multi-fields (ITE 62368-1, Medical 60601-1, Household 60335-1, Industrial 61558-1/-2-16)
- Universal AC input / Full range
- Ultra slim(30mm)
- No load power consumption < 0.075W
- Energy efficiency Level VI
- Class II power (no earth pin)
- · Protections: Short circuit / Overload / Over voltage
- · Pass LPS
- Extremely leakage current <100uA
- -30°C ~+70°C wide range working temperature
- Various DC plug quick adapter accessory available (Plug kit sold sperately, please refer to: https://www.meanwell.com/upload/pdf/DC_plug.pdf)
- 3 years warranty

Description

NGE45 is a highly reliable, 45W wall-mounted style single-output green adaptor series, which is compact and convenient for carry. This product is equipped with 5 types of interchangeable AC plug (European, USA, U.K., Australian and China type) that makes it very suitable for travel use. NGE45 is a class II power unit (no FG), accepting the Input range from 80VAC to 264VAC that it can satisfy the demands for various types of electrical devices.

With the working efficiency up to 91% and the extremely low no-load power consumption below 0.075W, NGE45 is compliant with the latest USA energy regulation EISA 2007/DoE, Canada NRCan, Australia and New Zealand MEPS, EU ErP and CoC version5. The supreme feature allows the adaptor to save the energy when it is under either the operating mode or the standby mode. The entire series is approved for ITE, medical, household and industrial appliance safety regulations; moreover, it adopts the 94V-0 flame retardant plastic case that it can effectively prevent users from electric hazard.

Model Encoding



Applications

- Consumer electronic devices
- Telecommunication devices
- · Office facilities
- Industrial equipments
- Medical devices
- Household devices

GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx



SPECIFICATION

MODEL NO.			NGE45 05-P1J	NGE45 09-P1	J NGE45 12-P1J	NGE45 15-P1J	NGE45 18-P1J	NGE45 24-P1J	NGE45 48-P		
MODEL NO.			○ = I, U, E								
	DC VOLTAGE	Note.2	5V	9V	12V	15V	18V	24V	48V		
	RATED CURRE	ENT	5.63A	4.5A	3.75A	3A	2.5A	1.88A	0.94A		
	CURRENT RAI	NGE	0 ~ 5.63A	0 ~ 4.5A	0 ~ 3.75A	0 ~ 3A	0 ~ 2.5A	0 ~ 1.88A	0~0.94A		
	RATED POWE	R	28.1W	40.5W	45W	45W	45W	45.1W	45.1W		
DUTPUT		SE (max.) Note.3	100mVp-p	100mVp-p	120mVp-p	150mVp-p	180mVp-p	240mVp-p	240mVp-p		
		ERANCE Note.4		±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%		
	LINE REGULA		±1.0%	±1.0%	±1.0%	±1.0%					
	LOAD REGULA		±5.0%	±5.0%	±1.0% ±3.0%	±1.0% ±3.0%	±1.0% ±3.0%	±2.0%	±2.0%		
			1500ms, 50ms, 30		-)ms / 115VAC at ful		±2.0 /0	±2.0 /0		
	VOLTAGE RAN		80 ~ 264VAC	113 ~ 370VDC	30001115, 301115, 10	ilis / 113VAC at lui	iloau				
	FREQUENCY F		47 ~ 63Hz	113 370000							
	EFFICIENCY (1		84%	89%	90%	90%	90%	90%	91%		
INPUT	AC CURRENT	тур.)		6A / 230VAC	30 /0	30 /6	90 /6	1 90 %	91/0		
		CNT (many)			1000140						
	INRUSH CURR		COLD START 35A								
	LEAKAGE CUI	RRENI (max.)	Touch current < 100	, , ,	AC .						
	OVERLOAD		110% ~ 150% rate			III. aftau fault aanaliti					
DOTECTION	OVERLOAD			•	, recovers automatical latch off o/p voltage,	•					
PROTECTION			110% ~ 140% rate		lateri oli o/p voltage,	e-power on to recov	761.				
	OVER VOLTAG	E	Protection type : 0		linde						
	WODE TO	4D	-30 ~ +70°C (Refe								
	WORKING TEN		- (ve)						
FAILURE C	WORKING HUI		20% ~ 90% RH no		donoina						
ENVIRONMENT	STORAGE TEN		-20 ~ +85°C, 10 ~		densing						
	TEMP. COEFFI	CIENT	±0.03% / °C (0 ~ 4	,							
	VIBRATION		· · · · · · · · · · · · · · · · · · ·		od for 60min. each a /-1-11, IEC61558-1						
	SAFETY STAN	DARDS	DEKRA BS EN/EN62368-1, BS EN/EN60601-1/-1-11, BS EN/EN61558-1/-2-16, BS EN/EN60335-1; PSE J62368-1; BSMI CNS15598-1; RCM AS/NZS 61558-1/-2-16; EAC TPTC004; CCC GB4943.1 approved. (Please refer to next page for more details)								
	WITHSTAND V	OLTAGE	I/P-O/P:4000VAC								
	ISOLATION RE	SISTANCE	I/P-O/P:100M Ohr	ns / 500VDC / 25°	C/70% RH						
			Parameter Standard					Level / Note			
SAFETY &	EMC EMISSION		Conducted emission	CN515936, GB/1 9254.1-2021							
EMC (Note. 8)			Radiated emission	CNS	N/EN55032(CISPR3 15936, GB/T 9254.1	,	Class	Class B			
			Harmonic current	BS EI	N/EN61000-3-2		Class	Class A			
			Parameter	Stand	dard		Test	Level /Note			
			ESD	BS Ef	N/EN61000-4-2		Leve	el 3, 15KV air; Level 2	, 8KV contact		
			RF field susceptibil	ity BS EN	N/EN61000-4-3		Leve	el 2, 3V/m			
			EFT bursts	BS EI	N/EN61000-4-4		Leve	el 2, 1KV			
	EMC IMMUNITY	,	Surge susceptibility	BS FI	N/EN61000-4-5		Leve	el 3, 1KV/L-N			
			Conducted suscepti		N/EN61000-4-6			el 2. 3V			
			Magnetic field immu		N/EN61000-4-8			el 1, 1A/m			
								5% dip 0. 5 periods, 3	0% dip 25 period:		
			Voltage dips , interru	iption BS E	N/EN61000-4-11			5% interruptions 250			
	MTBF		749.9 Khrs min.	MIL-HDBK-217F	(25°C) 6361.	6 Khrs min. Telco	ordia TR/SR-332(B	Bellcore) (25°€)			
OTHERS	DIMENSION		62*30*65mm (L*W	,							
O I II LINO	PACKING	MAIN BODY	, , , , , , , , , , , , , , , , , , ,	Kg / 0.91CUFT for	r NGE45Ixx/Uxx-P1J	211g; 45pcs	/ 11.4Kg / 1.06CUF	T for NGE45Exx-P	1J		
		AC PLUGS	Refer to Page 3								
	PLUG				e by customer reque						
CONNECTOR	CABLE				e by customer reque	sted					
NOTE	2.DC voltage: 3.Ripple & noi: 4.Tolerance: ir 5.Line regulati 6.Load regulat 7.Derating ma: 8.The power s	The output volta se are measured cludes set up to on is measured ion is measured y be needed und cupply is conside	d at 20MHz by using the second of the second	asure by plug terng a 12" twisted pation, load regulagh line at rated load ge. Please check dent unit, but the	minal & 50% load. pair terminated with tion. ad. the derating curve final equipment stil	for more details.	n that the whole s		th the		
	(as available 9.Design meet	on https://www. t US DoE Level	meanwell.com//Up VII (from Docket n	load/PDF/EMI_st umber EERE-202		ū					



■ Interchangeable AC Plug Specifically for NGE12/18/30/45/65/90 (I-Type)

		NGE	45lxx-P1J		NGE45Exx-P1J	NGE45Uxx-P1J	
Model NO.					Section of the sectio	Stemans of the state of the sta	
		Inter	changeable	е Туре			
AC plug	EU	US	UK	AU	CN	Non-Interchangeable	Туре
Certificate				(P)us <u>(A</u> CA F (C		CB ≥DEKRA EHI C €	CBc SU US C UL US R33100 ROHS

■ AC Plugs Accessory (Sold Seperately)

MW's order NO.	Per Pack	Per Bag	Per Carton		
WW Solder NO.	Photo for one unit	Q'Ty	Q'Ty	G.W.	
AC PLUG-EU4		30pcs	300 pcs (10packs)	5.6Kg	
AC PLUG-US4	&	30pcs	300 pcs (10packs)	5.3Kg	
AC PLUG-UK4		30pcs	300 pcs (10packs)	7.1Kg	
AC PLUG-AU4	**	30pcs	300 pcs (10packs)	5.3Kg	
AC PLUG-CN4		30pcs	300 pcs (10packs)	5.4Kg	
AC PLUG-MIX4		6*5 Types (EU4*1,US4*1) UK4*1,AU4*1 CN4*1	60*5 Types =300 pcs (10packs)	5.74Kg	



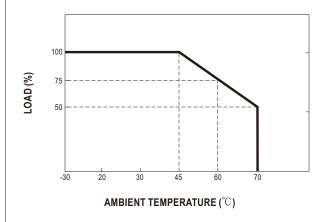
■ Interchangeable AC Plug Installation Steps (Convertible with I Type only)

Step1	Step2
Slide in AC converter along the guided rail between the metal prongs until it is locked in (with a "click" sound).	Check if the new plug type is stable and correct before use.

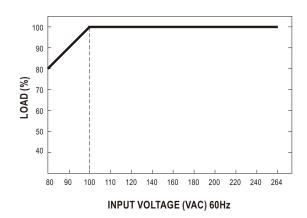
Note:

NGE45I main body unit and AC inlet plug should be ordered separately; It needs to be used along with any of the AC inlet plug (EU,US,UK,AU,CN), the AC plug can be changeable to EU,US,UK,AU,CN type with additional converter.

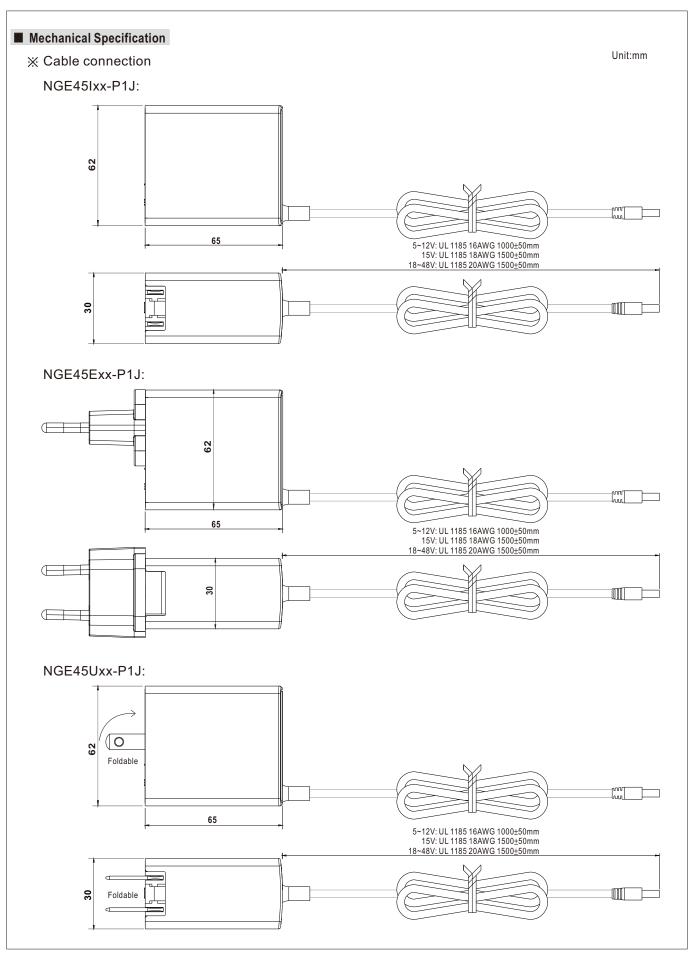
■ Derating Curve



■ Static Characteristics









■ DC Output Plug

O Standard plug: P1J

Unit:mm

P1J		Pin Assignment
5.5	11±0.5mm	Outside ⊖ ⊕ Inside

- O DC plug changeable through:
 - (1) Customization of the standard part with an optional DC plug according to the table (MOQ applicable)
 - (2) Quick adapter accessory (sold separately without MOQ)

 Please refer to below table and online selection guide: https://www.meanwell.com/upload/pdf/DC_plug.pdf

Example quick adapter accessory:



Optional DC plug: (Available in customized cable or quick adapter)

-	Tuning Fo	rk Style	Type No.	Α	В	С	Quick Adapter	
	running r or	K Style	турстчо.	OD	ID	L	Accessory	
		C -	P1I	5.5	2.1	9.5		
			P1L	5.5	2.5	9.5		
THE SAME OF THE SA	_ A	(Straight)	P1M	5.5	2.5	11.0	A! a a a	
		 C -	P1IR	5.5	2.1	9.5	Available	
	-17-B		P1JR	5.5	2.1	11.0	(Current rating: 7.5A max.)	
			P1LR	5.5	2.5	9.5		
		(Right-angled)	P1MR	5.5	2.5	11.0		
	Type No.	Α	В	С				
	Type No.	OD	ID	L				
	(Straight)	P2I	5.5	2.1	9.5			
				P2J	5.5	2.1	11.0	
			Δ.		P2L	5.5	2.5	9.5
		(Straight)	P2M	5.5	2.5	11.0	None	
		C	P2IR	5.5	2.1	9.5		
-	-		P2JR	5.5	2.1	11.0		
		(Right-angled)	P2LR	5.5	2.5	9.5		
		(Right-angled)	P2MR	5.5	2.5	11.0		
	Look S	tylo	Type No.	А	В	С		
Lock Style			Type No.	OD	ID	L		
	A B	Floating Locking	P2S(S761K)	5.53	2.03	12.06	None	
				P2K(761K)	5.53	2.54	12.06	None
				P2C(S760K)	5.53	2.03	9.52	
~		SWITCHCRAFT original or equivalent	P2D(760K)	5.53	2.54	9.52		



Min. Pin Style	Type No.	A OD	_	B ID	C L	Quick Adapter
	P3A	2.35		0.7	11.0	Accessory
	P3B	4.0		1.7	11.0	Available
B LIAIAL B EIAJ equivalent	P3C	4.75	_	1.7	11.0	(Current rating: 5A max.)
·		Α	В	С	D	
Center Pin Style	Type No.	OD	ID	L	Center Pin	
r ^A -l	P4A	5.5	3.4	11.0	1.0	Available
	P4B	6.5	4.4	11.0	1.4	(Current rating: 7.5A max.)
EIAJ equivalent	P4C	7.4	5.1	11.0	0.6	
·	Tuna Na	Р	in Assi	gnment		
Min. DIN 3 Pin with Lock (male)	Type No.	PIN No		Outpo	ut	
		1		+Vo		Available
	R6B	2		-Vo		(Current rating: 7.5A max.)
KYCON KPPX-3P equivalent		3		+Vo)	
	T NI -	Pin Assignment				
Min. DIN 4 Pin with Lock (male)	Type No.	PIN No				
		1		+Vo		Available
2 3	R7B	2		-Vo		(Current rating: 7.5A max.)
KYCON KPPX-4P equivalent		3		-Vo		
·		4		+Vo		
Stripped and tinned leads	Type No.			gnment		
		PIN No).	Outp	JI	
1 2 2	by customer	1 (Ribbed)	+Vo)	None
Length of Land L1 by request (MW's standard length, L: <u>25</u> mm, L1: <u>10</u> mm)		2 (Letter)	-Vo		

■ Installation Manual

Please refer to: http://www.meanwell.com/manual.html













PDEKRA FC C E LA W Rendement Forergitale Verifié Rendement Forergi





























- MEANWELL Patent Application Number: 202330347779.4
- Interchangeable AC plugs
- · Global certificates in multi-fields (ITE 62368-1, Medical 60601-1, Household 60335-1, Industrial 61558-1/-2-16)
- Universal AC input / Full range
- Ultra slim(30mm)
- No load power consumption < 0.075W
- Energy efficiency Level VI
- Class II power (no earth pin)
- · Protections: Short circuit / Overload / Over voltage
- · Pass LPS
- Extremely leakage current <100uA
- -30°C ~+70°C wide range working temperature
- · Various DC plug quick adapter accessory available (Plug kit sold sperately, please refer to: https://www.meanwell.com/upload/pdf/DC_plug.pdf)
- 3 years warranty

Description

NGE65 is a highly reliable, 65W wall-mounted style single-output green adaptor series, which is compact and convenient for carry. This product is equipped with 5 types of interchangeable AC plug (European, USA, U.K., Australian and China type) that makes it very suitable for travel use .NGE65 is a class II power unit (no FG), accepting the Input range from 80VAC to 264VAC that it can satisfy the demands for various types of electrical devices.

With the working efficiency up to 92% and the extremely low no-load power consumption below 0.075W, NGE65 is compliant with the latest USA energy regulation EISA 2007/DoE, Canada NRCan, Australia and New Zealand MEPS,EU ErP and CoC version 5. The supreme feature allows the adaptor to save the energy when it is under either the operating mode or the standby mode. The entire series is approved for ITE, medical, household and industrial appliance safety regulations; moreover, it adopts the 94V-0 flame retardant plastic case that it can effectively prevent users from electric hazard.

Model Encoding



Applications

- · Consumer electronic devices
- Telecommunication devices
- Office facilities
- · Industrial equipments
- Medical devices
- · Household devices

GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx



SPECIFICATION

MODEL NO.			NGE65 O5-P1J	NGE65 09-P	1J NGE65 12-P1J	NGE65 15-P1J	NGE65 18-P1	J NGE65 24-P1J	NGE65 48-P		
WODEL NO.			○ = I, U, E								
	DC VOLTAGE	Note.2		9V	12V	15V	18V	24V	48V		
	RATED CURRE		6A	5.96A	4.88A	4.34A	3.62A	2.71A	1.36A		
	CURRENT RAN		0 ~ 6A	0 ~ 5.96A	0 ~ 4.88A	0 ~ 4.34A	0 ~ 3.62A	0 ~ 2.71A	0 ~ 1.36A		
-			30W	53.6W	58.5W	65.1W	65.1W	65W	65.2W		
DUTPUT	UTPUT RATED POWER RIPPLE & NOISE (max.) Note.3 VOLTAGE TOLERANCE Note.4										
				100mVp-p	120mVp-p	150mVp-p	180mVp-p	240mVp-p	240mVp-p		
				±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%		
	LINE REGULAT		±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%		
	LOAD REGULA	ATION Note.6	±6.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%		
	SETUP, RISE, I	HOLD UP TIME	1500ms, 50ms, 30	ms / 230VAC	3000ms, 50ms, 10	ms / 115VAC at ful	l load				
	VOLTAGE RAN	GE Note.7	80 ~ 264VAC	113 ~ 370VDC							
	FREQUENCY R	RANGE	47 ~ 63Hz								
[EFFICIENCY (T	yp.)	84%	89%	90%	90%	91%	92%	92%		
INPUT	AC CURRENT		1.5A / 115VAC	0.8A / 230VAC			I	<u>'</u>			
	INRUSH CURR	FNT (max)	COLD START 50A	/ 115VAC 100)A / 230VAC						
	LEAKAGE CUR		Touch current < 100								
	LEARAGE CON	KKENT (IIIax.)	110% ~ 150% rate	. , 0	AU						
						alla aftau facilt aanaliti	ian ia namana				
	OVERLOAD				e, recovers automatica	•					
PROTECTION					d latch off o/p voltage,	re-power on to reco	ver.				
	OVER VOLTAG	Е	110% ~ 140% rate								
			Protection type : 0	Clamp by zener	diode						
	WORKING TEN	IP.	-30 ~ +70°C (Refe	r to "Derating Cu	ırve")						
	WORKING HUN	MIDITY	20% ~ 90% RH no	n-condensing							
ENVIRONMENT	STORAGE TEN	IP., HUMIDITY	-20 ~ +85°C, 10 ~	95% RH non-cor	ndensing						
	TEMP. COEFFI		±0.03% / °C (0 ~ 4	0°C)							
	VIBRATION			,	iod for 60min. each a	long X V 7 aves					
	VIDICATION		-		1/-1-11, IEC61558-1		4				
	SAFETY STANI	DANDO	PSE J62368-1; BSMI CNS15598-1; RCM AS/NZS 61558-1/-2-16; EAC TPTC004; CCC GB4943.1 approved. (Please refer to next page for more details)								
	WITHSTAND V	OLTAGE	I/P-O/P:4000VAC								
	ISOLATION RE	SISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH								
			Parameter Standard Test Level / Note								
			Conducted emission BS EN/EN55032(CISPR32)/EN55011 , FCC Part15 , Class B								
	EMC EMISSION		Radiated emission	CN: BS	S15936, GB/T 9254.1 EN/EN55032(CISPR	ss B					
				CNS15936, GB/T 9254.1-2021							
			Harmonic current (N	010.0)	EN/EN61000-3-2			Class A			
SAFETY &			Parameter	Sta	Standard Test Level /Note						
EMC			ESD		BS EN/EN61000-4-2 Level 3, 15KV air; Level 2,						
(Note. 8)			RF field susceptibil	ity BS E	BS EN/EN61000-4-3 Level 2, 3V/m						
			EFT bursts	BS I	EN/EN61000-4-4		Le	vel 2, 1KV			
	EMC IMMUNITY		Surge susceptibility	BS	EN/EN61000-4-5		Le	vel 3, 1KV/L-N			
			Conducted suscepti	bility BS I	EN/EN61000-4-6		Le	Level 2, 3V			
			Magnetic field immu	nity BS I	EN/EN61000-4-8		Le	vel 1, 1A/m			
			/oltage dips , interruption BS EN/EN61000-4-11 >95% dip 0. 5 periods, 30 >95% interruptions 250 pe								
	MTBF		682.2 Khrs min.	MIL-HDBK-217	F (25°C) 5852	.4 Khrs min. Tel	cordia TR/SR-332	2(Bellcore) (25°C)			
	DIMENSION		62*30*65mm (L*W	/*H)							
OTHERS		MAIN BODY	,	,	or NGE65lxx/Uxx-P1J	211g; 45pcs	/ 11.4Kg / 1.06CL	JFT for NGE65Exx-P	1J		
	PACKING	AC PLUGS	Refer to Page 3								
DC OUTPUT	PLUG		-	ther type availah	le by customer reque	sted					
NOTE	1.All paramete 2.DC voltage: 3.Ripple & noi 4.Tolerance: ir 5.Line regulati 6.Load regulat 7.Derating ma 8.The power's EMC directiv	The output volta se are measured cludes set up to on is measured tion is measured by be needed un supply is consider ves. For guidance	age set at point med at 20MHz by usi- oblerance, line regul from low line to hid if from 0% to 100% der low input voltacered as an indeper- ce on how to perfo	easure by plug to ng a 12" twisted lation, load regu gh line at rated load ge. Please chech dent unit, but th rm these EMC t	load. It the derating curve the final equipment still ests, please refer to	for more details. Il need to re-confiri	m that the whole		th the		
	9.Test harmon 10.Design me	nic current at 85° et US DoE Leve	% load. el VII (from Docket	number EERE-	statement_en.pdf) 2020-BT-STD-0006) refer to https://www.r		iceDisclaimer.as _l		65-SPEC 2023-1		



■ Interchangeable AC Plug Specifically for NGE12/18/30/45/65/90 (I-Type)

	NGE65Ixx-P1J					NGE65Exx-P1J	NGE65Uxx-P1J
Model NO.							Commence of the commence of th
		Inter	changeable	е Туре			
AC plug	EU US UK AU CN					Non-Interchangeable	Туре
Certificate				us & UK F©	_	CB PDEKRA	CBc SU US CUL US RASION ROHS CB C SU FC

65W AC-DC Reliable Wall-mounted Interchangeable Type Green Adaptor

■ AC Plugs Accessory (Sold Seperately)

MW's order NO.	Per Pack	Per Bag	Per C	arton
WW Solder NO.	Photo for one unit	Q'Ty	Q'Ty	G.W.
AC PLUG-EU4		30pcs	300 pcs (10packs)	5.6Kg
AC PLUG-US4	&	30pcs	300 pcs (10packs)	5.3Kg
AC PLUG-UK4		30pcs	300 pcs (10packs)	7.1Kg
AC PLUG-AU4	**	30pcs	300 pcs (10packs)	5.3Kg
AC PLUG-CN4		30pcs	300 pcs (10packs)	5.4Kg
AC PLUG-MIX4		6*5 Types (EU4*1,US4*1) UK4*1,AU4*1 CN4*1	60*5 Types =300 pcs (10packs)	5.74Kg



■ Interchangeable AC Plug Installation Steps (Convertible with I Type only)

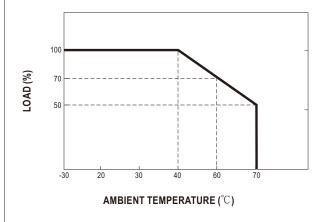
Step1	Step2
Slide in AC converter along the guided rail between the metal prongs until it is locked in (with a "click" sound).	Check if the new plug type is stable and correct before use.

65W AC-DC Reliable Wall-mounted Interchangeable Type Green Adaptor

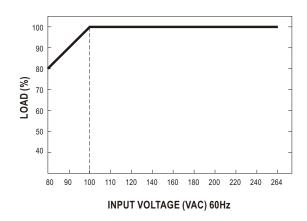
Note:

NGE65I main body unit and AC inlet plug should be ordered separately; It needs to be used along with any of the AC inlet plug (EU,US,UK,AU,CN), the AC plug can be changeable to EU,US,UK,AU,CN type with additional converter.

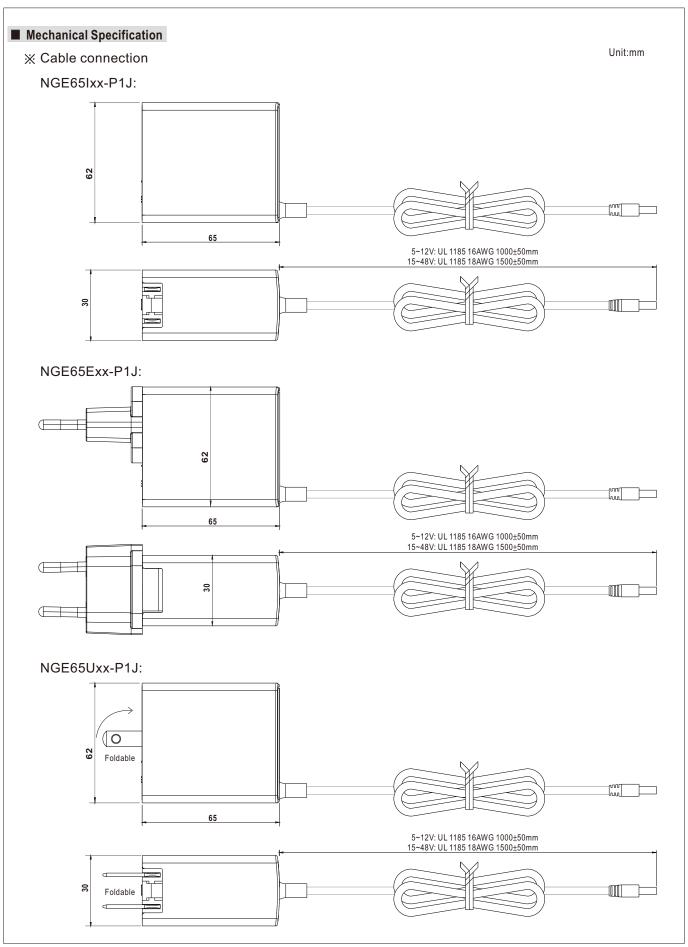
■ Derating Curve



■ Static Characteristics









■ DC Output Plug

O Standard plug: P1J

Unit:mm

P1J		Pin Assignment
5.5	11±0.5mm	Outside ⊖—⊕ Inside

- O DC plug changeable through:
 - (1) Customization of the standard part with an optional DC plug according to the table (MOQ applicable)
 - (2) Quick adapter accessory (sold separately without MOQ)

 Please refer to below table and online selection guide: https://www.meanwell.com/upload/pdf/DC_plug.pdf

Example quick adapter accessory:



Optional DC plug: (Available in customized cable or quick adapter)

Tuning Fork Style			Type No.	А	В	С	Quick Adapter						
·				OD	ID	L	Accessory						
		C	P1I	5.5	2.1	9.5							
			P1L	5.5	2.5	9.5							
Welliam .	A	(Straight)	P1M	5.5	2.5	11.0	Available						
		_ C	P1IR	5.5	2.1	9.5							
	- ∏		P1JR	5.5	2.1	11.0	(Current rating: 7.5A max.)						
		(Dialet acceled)	P1LR	5.5	2.5	9.5							
		(Right-angled)	P1MR	5.5	2.5	11.0							
	Barrel	Style	Type No.	Α	В	С							
	Dailei	Style	Type No.	OD	ID	L							
		. C .	P2I	5.5	2.1	9.5							
					P2J	5.5	2.1	11.0					
			P2L	5.5	2.5	9.5	None						
	A	(Straight)	P2M	5.5	2.5	11.0							
	B	В	В	B	(C) _B	\bigcirc _B	(Q) _B	C-	P2IR	5.5	2.1	9.5	
_						P2JR	5.5	2.1	11.0				
			P2LR	5.5	2.5	9.5							
		(Right-angled)	P2MR	5.5	2.5	11.0							
Look Chulo			Type No.	Α	В	С							
Lock Style		Type No.	OD	ID	L								
	A	Floating Locking - C-	P2S(S761K)	5.53	2.03	12.06	None						
			P2K(761K)	5.53	2.54	12.06	INUITE						
	В		P2C(S760K)	5.53	2.03	9.52							
		SWITCHCRAFT original or equivalent	P2D(760K)	5.53	2.54	9.52							



Min. Pin Style	Type No.	A OD	_	В	С	Quick Adapter
. C .	P3A	2.35		D.7	11.0	Accessory
		4.0		1.7	11.0	Available
B LIAIL .	P3B P3C	4.75	_	1.7	11.0	(Current rating: 5A max.)
EIAJ equivalent	F30	A A	В	C	D	
Center Pin Style	Type No.	OD	ID	I	Center Pin	
LA LC	P4A	5.5	3.4	11.0	1.0	Available
	P4B	6.5	4.4	11.0	1.4	(Current rating: 7.5A max.)
ElAJ equivalent	P4C	7.4	5.1	11.0	0.6	
·	T N	Р		gnment		
Min. DIN 3 Pin with Lock (male)	Type No.	PIN No		Outpi		
	R6B	1		+Vo	1	Available
		2		-Vo		(Current rating: 7.5A max.)
KYCON KPPX-3P equivalent		3		+Vo)	
	Tuna Na	Pin Assignment				
Min. DIN 4 Pin with Lock (male)	Type No.	PIN No		Output		Available
		1		+Vo		
2 3 IIIII P 3 a	R7B	2		-Vo		(Current rating: 7.5A max.)
KYCON KPPX-4P equivalent	2	3		-Vo		
		4		+Vo		
Stripped and tinned leads	Type No.			gnment		
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	PIN No).	Outp	ut	
	by customer	1 (Ribbed)	+Vo)	None
L I Length of Land L1 by request (MW's standard length, L: <u>25</u> mm, L1: <u>10</u> mm)		2 (Letter)	-Vo		

■ Installation Manual

Please refer to : http://www.meanwell.com/manual.html







































Features

MEANWELL Patent Application Number: 202330347779.4

B DEKRA FCCE LA W Energy Verified W IP21

- Interchangeable AC plugs
- Global certificates in multi-fields (ITE 62368-1, Medical 60601-1, Household 60335-1,Industrial 61558-1/-2-16)
- Universal AC input / Full range
- Ultra slim(30mm)
- No load power consumption < 0.1W
- Energy efficiency Level VI
- Class II power (no earth pin)
- Protections: Short circuit / Overload / Over voltage
- Extremely leakage current <100uA
- -30°C ~+70°C wide range working temperature
- · Various DC plug quick adapter accessory available (Plug kit sold sperately, please refer to : https://www.meanwell.com/upload/pdf/DC_plug.pdf)
- 3 years warranty

Description

NGE90 is a highly reliable, 90W wall-mounted style single-output green adaptor series, which is compact and convenient for carry. This product is equipped with 5 types of interchangeable AC plug (European, USA,U.K., Australian and China type) that makes it very suitable for travel use .NGE90 is a class II power unit (no FG), accepting the Input range from 80VAC to 264VAC that it can satisfy the demands for various types of electrical devices.

With the working efficiency up to 92% and the extremely low no-load power consumption below 0.1W, NGE90 is compliant with the latest USA energy regulation EISA 2007/DoE, Canada NRCan, Australia and New Zealand MEPS,EU ErP and CoC version 5. The supreme feature allows the adaptor to save the energy when it is under either the operating mode or the standby mode. The entire series is approved for ITE, medical, household and industrial appliance safety regulations; moreover, it adopts the 94V-0 flame retardant plastic case that it can effectively prevent users from electric hazard.

Model Encoding



Applications

- Consumer electronic devices
- Telecommunication devices
- Office facilities
- Industrial equipments
- Power sourcing equipment of PoE
- Medical devices
- Household devices

GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx



SPECIFICATION

MODEL NO.			NGE90 12-P1J	NGE90 15-P1J	NGE90 18-P1J	NGE90 24-P1J	NGE90 48-P1J	NGE90 ○55-P1J	
			○ = I, U, E						
	DC VOLTAGE	Note.2	12V	15V	18V	24V	48V	55V	
	RATED CURRE	NT	6.25A	5.5A	5A	3.75A	1.875A	1.64A	
	CURRENT RAN	IGE	0 ~ 6.25A	0 ~ 5.5A	0 ~ 5A	0 ~ 3.75A	0 ~ 1.875A	0 ~ 1.64A	
	RATED POWER	₹	75W	82.5W	90W	90W	90W	90.2W	
DUTPUT			120mVp-p	150mVp-p	180mVp-p	240mVp-p	240mVp-p	240mVp-p	
	RIPPLE & NOISE (max.) Note.3 VOLTAGE TOLERANCE Note.4								
			±4.0%	±4.0%	±4.0%	±3.0%	±3.0%	±3.0%	
	LINE REGULAT	TION Note.5	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	LOAD REGULA	ATION Note.6	±4.0%	±4.0%	±4.0%	±3.0%	±2.0%	±2.0%	
	SETUP, RISE, H	HOLD UP TIME	1000ms, 60ms, 30ms	/ 230VAC 1000	oms, 60ms, 10ms / 115\	/AC at full load			
	VOLTAGE RAN	GE Note.	7 80 ~ 264VAC 11:	3 ~ 370VDC					
	FREQUENCY R	PANGE	47 ~ 63Hz						
	EFFICIENCY (T		90%	91%	91.5%	92%	92%	92%	
NPUT	·	ур.)			31.370	32 /0	32 /0	32 /0	
	AC CURRENT			A / 230VAC					
	INRUSH CURR	ENT (max.)	COLD START 50A / 1	15VAC 100A / 230	VAC				
	LEAKAGE CUR	RRENT (max.)	Touch current < 100uA	(rms) @264VAC					
			105% ~ 160% rated o	utput power					
PROTECTION	OVERLOAD				overs automatically after		oved.		
ROTEUTION			12.6 ~ 16.2	15.8 ~ 20.3	19.8 ~ 24.3	26.4 ~ 32.4	52.8 ~ 64.8	60.5 ~ 74.2	
l	OVER VOLTAG	Ε				20.4 - 32.4	32.0 - 04.0	00.3~14.2	
		_	,,		re-power on to recover				
	WORKING TEN		-30 ~ +70°C (Refer to						
	WORKING HUI	MIDITY	20% ~ 90% RH non-c	ondensing					
NVIRONMENT	STORAGE TEN	IP., HUMIDITY	-20 ~ +85°C, 10 ~ 959	6 RH non-condensing	g				
	TEMP. COEFFI	CIENT	±0.03% / °C (0 ~ 45°C	:)					
	VIBRATION		`	,	0min. each along X, Y, Z	7 axes			
	SAFETY STANI	DARDS	PSE J62368-1; BSMI CNS15598-1; RCM AS/NZS 61558-1/-2-16; EAC TPTC004; CCC GB4943.1 approved. (Please refer to next page for more details)						
					ils)				
	WITHSTAND V	OLTAGE			ils)				
	WITHSTAND V		(Please refer to next	page for more deta	,				
			(Please refer to next I/P-O/P:4000VAC I/P-O/P:100M Ohms /	page for more deta	,		Test Level / Note		
			(Please refer to next I/P-O/P:4000VAC	page for more deta 500VDC / 25°C / 70% Standard BS EN/EN	6 RH 	5011 , FCC Part15 ,	Test Level / Note Class B		
SAFETY & EMC	ISOLATION RE		(Please refer to next I/P-O/P:4000VAC I/P-O/P:100M Ohms / Parameter	page for more deta 500VDC / 25°C / 70° Standard BS EN/EN CNS15930 BS EN/EN	6 RH 55032(CISPR32)/EN5 6, GB/T 9254.1-2021 55032(CISPR32)/EN5				
-	ISOLATION RE		(Please refer to next I/P-O/P:4000VAC I/P-O/P:100M Ohms / Parameter Conducted emission Radiated emission	page for more deta 500VDC / 25°C / 70% Standard BS EN/EN CNS15936 BS EN/EN CNS15936	6 RH 155032(CISPR32)/EN5 3, GB/T 9254.1-2021 155032(CISPR32)/EN5 3, GB/T 9254.1-2021		Class B Class B		
EMC	ISOLATION RE		(Please refer to next I/P-O/P:4000VAC I/P-O/P:100M Ohms / Parameter Conducted emission Radiated emission Harmonic current	page for more deta 500VDC / 25°C / 709 Standard BS EN/EN CNS15930 BS EN/EN CNS15930 BS EN/EN6	6 RH 155032(CISPR32)/EN5 3, GB/T 9254.1-2021 155032(CISPR32)/EN5 3, GB/T 9254.1-2021		Class B Class B Class A		
EMC	ISOLATION RE		(Please refer to next I/P-O/P:4000VAC I/P-O/P:100M Ohms / Parameter Conducted emission Radiated emission Harmonic current Parameter	page for more deta 500VDC / 25°C / 709 Standard BS EN/EN CNS15930 BS EN/EN60 Standard Standard	6 RH 155032(CISPR32)/EN5 3, GB/T 9254.1-2021 155032(CISPR32)/EN5 3, GB/T 9254.1-2021 1000-3-2		Class B Class B Class A Test Level /Note		
EMC	ISOLATION RE		(Please refer to next I/P-O/P:4000VAC I/P-O/P:100M Ohms / Parameter Conducted emission Radiated emission Harmonic current Parameter ESD	page for more deta 500VDC / 25°C / 709 Standard BS EN/EN CNS15930 BS EN/EN6 Standard BS EN/EN6	6 RH 155032(CISPR32)/EN5 6, GB/T 9254.1-2021 155032(CISPR32)/EN5 6, GB/T 9254.1-2021 1000-3-2		Class B Class A Test Level /Note Level 3, 15KV air; Level	vel 2, 8KV contact	
EMC	ISOLATION RE		(Please refer to next I/P-O/P:4000VAC I/P-O/P:100M Ohms / Parameter Conducted emission Radiated emission Harmonic current Parameter	page for more deta 500VDC / 25°C / 709 Standard BS EN/EN CNS15930 BS EN/EN60 Standard Standard	6 RH 155032(CISPR32)/EN5 6, GB/T 9254.1-2021 155032(CISPR32)/EN5 6, GB/T 9254.1-2021 1000-3-2		Class B Class B Class A Test Level /Note	vel 2, 8KV contact	
EMC	ISOLATION RE		(Please refer to next I/P-O/P:4000VAC I/P-O/P:100M Ohms / Parameter Conducted emission Radiated emission Harmonic current Parameter ESD	page for more deta 500VDC / 25°C / 709 Standard BS EN/EN CNS15930 BS EN/EN6 Standard BS EN/EN6	6 RH 155032(CISPR32)/EN5 3, GB/T 9254.1-2021 155032(CISPR32)/EN5 3, GB/T 9254.1-2021 1000-3-2 1000-4-2 1000-4-3		Class B Class A Test Level /Note Level 3, 15KV air; Level	vel 2, 8KV contact	
EMC	ISOLATION RE	SISTANCE	(Please refer to next I/P-O/P:4000VAC I/P-O/P:100M Ohms / Parameter Conducted emission Radiated emission Harmonic current Parameter ESD RF field susceptibility	page for more deta 500VDC / 25°C / 709 Standard BS EN/EN CNS15930 BS EN/EN61 Standard BS EN/EN66 BS EN/EN66 BS EN/EN66 BS EN/EN66	6 RH 55032(CISPR32)/EN5 6, GB/T 9254.1-2021 55032(CISPR32)/EN5 6, GB/T 9254.1-2021 1000-3-2 1000-4-2 1000-4-3 1000-4-4		Class B Class A Test Level /Note Level 3, 15KV air; Level Level 2, 3V/m	vel 2, 8KV contact	
EMC	EMC EMISSION	SISTANCE	(Please refer to next I/P-O/P:4000VAC I/P-O/P:100M Ohms / Parameter Conducted emission Radiated emission Harmonic current Parameter ESD RF field susceptibility EFT bursts	page for more deta 500VDC / 25°C / 709 Standard BS EN/EN CNS15930 BS EN/EN6 Standard BS EN/EN6	6 RH 155032(CISPR32)/EN5 3, GB/T 9254.1-2021 155032(CISPR32)/EN5 6, GB/T 9254.1-2021 1000-3-2 1000-4-2 1000-4-3 1000-4-4 1000-4-5		Class B Class A Test Level /Note Level 3, 15KV air; Lev Level 2, 3V/m Level 2, 1KV	vel 2, 8KV contact	
EMC	EMC EMISSION	SISTANCE	(Please refer to next I/P-O/P:4000VAC I/P-O/P:100M Ohms / Parameter Conducted emission Radiated emission Harmonic current Parameter ESD RF field susceptibility EFT bursts Surge susceptibility	page for more deta 500VDC / 25°C / 70% Standard BS EN/EN CNS1593 BS EN/EN6 Standard BS EN/EN6	6 RH 55032(CISPR32)/EN5 6, GB/T 9254.1-2021 55032(CISPR32)/EN5 6, GB/T 9254.1-2021 1000-3-2 1000-4-2 1000-4-3 1000-4-4 1000-4-5 1000-4-6		Class B Class A Test Level /Note Level 3, 15KV air; Lev Level 2, 3V/m Level 2, 1KV Level 3, 1KV/L-N	vel 2, 8KV contact	
EMC	EMC EMISSION	SISTANCE	(Please refer to next I/P-O/P:4000VAC I/P-O/P:100M Ohms / Parameter Conducted emission Radiated emission Harmonic current Parameter ESD RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity	page for more deta 500VDC / 25°C / 709 Standard BS EN/EN CNS15930 BS EN/EN6 Standard BS EN/EN6	6 RH 155032(CISPR32)/EN5 3, GB/T 9254.1-2021 155032(CISPR32)/EN5 3, GB/T 9254.1-2021 1000-3-2 1000-4-2 1000-4-3 1000-4-4 1000-4-5 1000-4-6 1000-4-8		Class B Class A Test Level /Note Level 3, 15KV air; Lev Level 2, 3V/m Level 2, 1KV Level 3, 1KV/L-N Level 2, 3V Level 1, 1A/m		
EMC	EMC EMISSION EMC IMMUNITY	SISTANCE	(Please refer to next I/P-O/P:4000VAC I/P-O/P:100M Ohms / Parameter Conducted emission Harmonic current Parameter ESD RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dips , interruptio	page for more deta 500VDC / 25°C / 709 Standard BS EN/EN CNS15930 BS EN/EN6 Standard BS EN/EN6 Standard BS EN/EN6	6 RH 55032(CISPR32)/EN5 6, GB/T 9254.1-2021 55032(CISPR32)/EN5 6, GB/T 9254.1-2021 1000-3-2 1000-4-2 1000-4-3 1000-4-5 1000-4-6 1000-4-8	5011 , FCC Part15 ,	Class B Class A Test Level /Note Level 3, 15KV air; Lev Level 2, 3V/m Level 2, 1KV Level 3, 1KV/L-N Level 2, 3V Level 1, 1A/m >95% dip 0. 5 perio >95% interruptions	ds, 30% dip 25 periods 250 periods	
EMC	EMC EMISSION EMC IMMUNITY	SISTANCE	(Please refer to next I/P-O/P:4000VAC I/P-O/P:100M Ohms / Parameter Conducted emission Harmonic current Parameter ESD RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dips , interruptio 605.3 Khrs min. M	page for more deta 500VDC / 25°C / 709 Standard BS EN/EN CNS15930 BS EN/EN6 Standard BS EN/EN6	6 RH 55032(CISPR32)/EN5 6, GB/T 9254.1-2021 55032(CISPR32)/EN5 6, GB/T 9254.1-2021 1000-3-2 1000-4-2 1000-4-3 1000-4-5 1000-4-6 1000-4-8	5011 , FCC Part15 ,	Class B Class A Test Level /Note Level 3, 15KV air; Lev Level 2, 3V/m Level 2, 1KV Level 3, 1KV/L-N Level 2, 3V Level 1, 1A/m >95% dip 0. 5 perio	ds, 30% dip 25 periods 250 periods	
EMC (Note. 8)	EMC EMISSION EMC IMMUNITY	SISTANCE	(Please refer to next I/P-O/P:4000VAC I/P-O/P:100M Ohms / Parameter Conducted emission Harmonic current Parameter ESD RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dips , interruptio 605.3 Khrs min. M 62*30*85.5mm (L*W*1	page for more deta 500VDC / 25°C / 709 Standard BS EN/EN CNS15930 BS EN/EN6 Standard BS EN/EN6 Standard BS EN/EN6	6 RH 55032(CISPR32)/EN5 6, GB/T 9254.1-2021 55032(CISPR32)/EN5 6, GB/T 9254.1-2021 1000-3-2 1000-4-2 1000-4-3 1000-4-5 1000-4-6 1000-4-8 11000-4-11 C) 5120.6 Khrs	5011 , FCC Part15 ,	Class B Class A Test Level /Note Level 3, 15KV air; Let Level 2, 3V/m Level 2, 1KV Level 3, 1KV/L-N Level 2, 3V Level 1, 1A/m >95% dip 0. 5 perio >95% interruptions: SR-332(Bellcore) (25°C)	ds, 30% dip 25 periods 250 periods C)	
EMC Note. 8)	EMC EMISSION EMC IMMUNITY MTBF DIMENSION	SISTANCE MAIN BODY	(Please refer to next I/P-O/P:4000VAC I/P-O/P:100M Ohms / Parameter Conducted emission Radiated emission Harmonic current Parameter ESD RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dips , interruptio 605.3 Khrs min. M 62*30*85.5mm (L*W*) 217g; 54pcs/ 13.2Kg	page for more deta 500VDC / 25°C / 709 Standard BS EN/EN CNS15930 BS EN/EN6 Standard BS EN/EN6 Standard BS EN/EN6	6 RH 55032(CISPR32)/EN5 6, GB/T 9254.1-2021 55032(CISPR32)/EN5 6, GB/T 9254.1-2021 1000-3-2 1000-4-2 1000-4-3 1000-4-5 1000-4-6 1000-4-8 11000-4-11 C) 5120.6 Khrs	5011 , FCC Part15 ,	Class B Class A Test Level /Note Level 3, 15KV air; Let Level 2, 3V/m Level 2, 1KV Level 3, 1KV/L-N Level 2, 3V Level 1, 1A/m >95% dip 0. 5 perio >95% interruptions: SR-332(Bellcore) (25°C)	ds, 30% dip 25 periods 250 periods C)	
EMC Note. 8)	EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING	SISTANCE	(Please refer to next I/P-O/P:4000VAC I/P-O/P:100M Ohms / Parameter Conducted emission Radiated emission Harmonic current Parameter ESD RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dips , interruptio 605.3 Khrs min. M 62*30*85.5mm (L*W*) 217g; 54pcs/ 13.2Kg Refer to Page 3	Dage for more deta	6 RH 155032(CISPR32)/EN5 3, GB/T 9254.1-2021 155032(CISPR32)/EN5 3, GB/T 9254.1-2021 1000-3-2 1000-4-2 1000-4-3 1000-4-5 1000-4-6 1000-4-8 11000-4-11 C) 5120.6 Khrs	5011 , FCC Part15 ,	Class B Class A Test Level /Note Level 3, 15KV air; Let Level 2, 3V/m Level 2, 1KV Level 3, 1KV/L-N Level 2, 3V Level 1, 1A/m >95% dip 0. 5 perio >95% interruptions: SR-332(Bellcore) (25°C)	ds, 30% dip 25 periods 250 periods C)	
OTHERS	EMC EMISSION EMC IMMUNITY MTBF DIMENSION	SISTANCE MAIN BODY	(Please refer to next I/P-O/P:4000VAC I/P-O/P:100M Ohms / Parameter Conducted emission Radiated emission Harmonic current Parameter ESD RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dips , interruptio 605.3 Khrs min. M 62*30*85.5mm (L*W*) 217g; 54pcs/ 13.2Kg	Dage for more deta	6 RH 155032(CISPR32)/EN5 3, GB/T 9254.1-2021 155032(CISPR32)/EN5 3, GB/T 9254.1-2021 1000-3-2 1000-4-2 1000-4-3 1000-4-5 1000-4-6 1000-4-8 11000-4-11 C) 5120.6 Khrs	5011 , FCC Part15 ,	Class B Class A Test Level /Note Level 3, 15KV air; Let Level 2, 3V/m Level 2, 1KV Level 3, 1KV/L-N Level 2, 3V Level 1, 1A/m >95% dip 0. 5 perio >95% interruptions: SR-332(Bellcore) (25°C)	ds, 30% dip 25 periods 250 periods C)	
OC OUTPUT	EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING	SISTANCE MAIN BODY	(Please refer to next I/P-O/P:4000VAC I/P-O/P:100M Ohms / Parameter Conducted emission Radiated emission Harmonic current Parameter ESD RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dips , interruptio 605.3 Khrs min. M 62*30*85.5mm (L*W*) 217g; 54pcs/ 13.2Kg Refer to Page 3	page for more deta 500VDC / 25°C / 709 Standard BS EN/EN CNS15930 BS EN/EN6 Standard BS EN/EN6 TO BS EN/EN6 BS	6 RH 155032(CISPR32)/EN5 6, GB/T 9254.1-2021 155032(CISPR32)/EN5 6, GB/T 9254.1-2021 1000-3-2 1000-4-2 1000-4-3 1000-4-5 1000-4-6 1000-4-8 11000-4-11 C) 5120.6 Khrs 1590[xx/Uxx-P1J 2	5011 , FCC Part15 ,	Class B Class A Test Level /Note Level 3, 15KV air; Let Level 2, 3V/m Level 2, 1KV Level 3, 1KV/L-N Level 2, 3V Level 1, 1A/m >95% dip 0. 5 perio >95% interruptions: SR-332(Bellcore) (25°C)	ds, 30% dip 25 periods 250 periods C)	
EMC (Note. 8)	EMC EMISSION EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING PLUG CABLE 1.All paramet 2.DC voltage 3.Ripple & n 4.Tolerance: 5.Line regul 6.Load regul 7.Derating m	MAIN BODY AC PLUGS ters are specifice: The output vooise are measurincludes set up attion is measuration is measuration.	(Please refer to next I/P-O/P:4000VAC I/P-O/P:100M Ohms / Parameter Conducted emission Radiated emission Harmonic current Parameter ESD RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dips , interruptio 605.3 Khrs min. M 62*30*85.5mm (L*W*1 217g; 54pcs/ 13.2Kg Refer to Page 3 See page 6~7; Othe see at 230VAC input, r oltage set at point me ared at 230VHz by usin to tolerance, line regu ed from low line to hig red from 0% to 100% under low input volta;	page for more deta 500VDC / 25°C / 709 Standard BS EN/EN CNS15930 BS EN/EN6 Standard BS EN/EN6 Standard BS EN/EN6 Standard BS EN/EN6 IL-HDBK-217F (25°0 H) / 0.90CUFT for NGE r type available by contact of the properties of the	6 RH 155032(CISPR32)/EN5 15, GB/T 9254.1-2021 155032(CISPR32)/EN5 155032(CISPR32)/EN5 155032(CISPR32)/EN5 156032(CISPR32)/EN5 15700-4-2 1000-4-2 1000-4-2 1000-4-3 1000-4-4 1000-4-5 1000-4-6 1000-4-11 C) 5120.6 Khrs 1000-4-11 C) 5120.6 Khrs 1000-4-11 C) 5120.6 Khrs 1000-4-11 C) 6000-4-11 C) 7000-4-11 C) 7000-4-11	min. Telcordia TR/s 231g; 42pcs/ 11.6Kg / 1	Class B Class A Test Level /Note Level 3, 15KV air; Let Level 2, 3V/m Level 2, 1KV Level 3, 1KV/L-N Level 2, 3V Level 1, 1A/m >95% dip 0. 5 perio >95% interruptions. SR-332(Bellcore) (25°(ds, 30% dip 25 period 250 periods C)	
OTHERS OC OUTPUT	EMC EMISSION EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING PLUG CABLE 1. All paramet 2.DC voltage 3. Ripple & n 4. Tolerance: 5. Line regula 6. Load regul 7. Derating mer EMC direc (as availab 9. Design me	MAIN BODY AC PLUGS ters are specific : The output vooise are measur includes set up ation is measur ation is	(Please refer to next I/P-O/P:4000VAC I/P-O/P:100M Ohms / Parameter Conducted emission Radiated emission Harmonic current Parameter ESD RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dips , interruptio 605.3 Khrs min. M 62*30*85.5mm (L*W*) 217g; 54pcs/ 13.2Kg Refer to Page 3 See page 6~7; Othe sed at 230VAC input, roltage set at point me ired at 20MHz by usin ot otherance, line regulated from low line to highered from low line to highered from low line to highered from 0% to 100%	page for more deta 500VDC / 25°C / 709 Standard BS EN/EN CNS1593 BS EN/EN6 CR SEN/EN6 BS EN/EN6 BS EN/	6 RH 155032(CISPR32)/EN5 6, GB/T 9254.1-2021 155032(CISPR32)/EN5 6, GB/T 9254.1-2021 155032(CISPR32)/EN5 6, GB/T 9254.1-2021 1000-3-2 1000-4-2 1000-4-3 1000-4-5 1000-4-6 1000-4-8 1000-4-11 C) 5120.6 Khrs	min. Telcordia TR/S 231g; 42pcs/ 11.6Kg / S Control & 47uf capacitor more details. eed to re-confirm that All testing of components	Class B Class A Test Level /Note Level 3, 15KV air; Lev Level 2, 3V/m Level 2, 1KV Level 3, 1KV/L-N Level 2, 3V Level 1, 1A/m >95% dip 0. 5 perio >95% interruptions SR-332(Bellcore) (25°C 1.13CUFT for NGE90E	ds, 30% dip 25 period 250 periods C)	



■ Interchangeable AC Plug Specifically for NGE12/18/30/45/65/90 (I-Type)

	NGE90Ixx-P1J					NGE90Exx-P1J	NGE90Uxx-P1J
Model NO.		4		4	Management of the control of the con	Marie Carrier Control of the Control	
		Inter	changeable	е Туре			
AC plug	EU US UK AU CN					Non-Interchangeable	Туре
Certificate				us & UK F©		CB PDEKRA	CBc SUs (UL) US (UL) US (A) (A

■ AC Plugs Accessory (Sold Seperately)

MW's order NO.	Per Pack	Per Bag	Per Ca	arton
WW Solder NO.	Photo for one unit	Q'Ty	Q'Ty	G.W.
AC PLUG-EU4		30pcs	300 pcs (10packs)	5.6Kg
AC PLUG-US4		30pcs	300 pcs (10packs)	5.3Kg
AC PLUG-UK4		30pcs	300 pcs (10packs)	7.1Kg
AC PLUG-AU4		30pcs	300 pcs (10packs)	5.3Kg
AC PLUG-CN4		30pcs	300 pcs (10packs)	5.4Kg
AC PLUG-MIX4		6*5 Types (EU4*1,US4*1) (UK4*1,AU4*1) (CN4*1)	60*5 Types =300 pcs (10packs)	5.74Kg



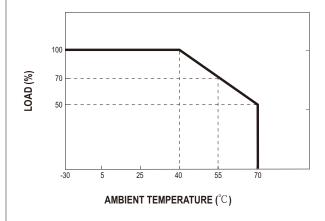
■ Interchangeable AC Plug Installation Steps (Convertible with I Type only)

Step1	Step2
Slide in AC converter along the guided rail between the metal prongs until it is locked in (with a "click" sound).	Check if the new plug type is stable and correct before use.

Note:

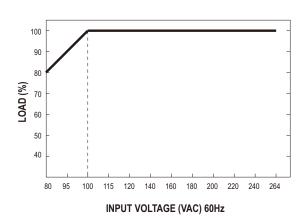
NGE90I main body unit and AC inlet plug should be ordered separately; It needs to be used along with any of the AC inlet plug (EU,US,UK,AU,CN), the AC plug can be changeable to EU,US,UK,AU,CN type with additional converter.

■ Derating Curve

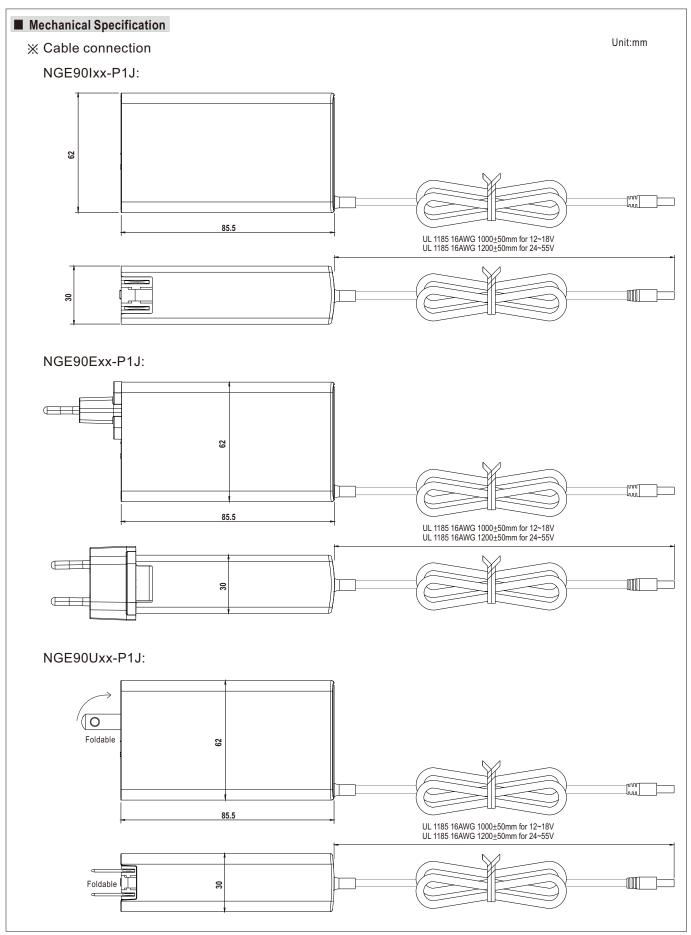


Note: 48/55V: -20° C @80Vac, load reduction to 60%; -30° C @80Vac, load reduction to 35%.

■ Static Characteristics









■ DC Output Plug

O Standard plug: P1J

Unit:mm

		P1J		Pin Assignment
		5.5	11±0.5mm	C"+"
				Outside ⊖—⊕ Inside

- O DC plug changeable through:
 - (1) Customization of the standard part with an optional DC plug according to the table (MOQ applicable)
 - (2) Quick adapter accessory (sold separately without MOQ)

 Please refer to below table and online selection guide: https://www.meanwell.com/upload/pdf/DC_plug.pdf

Example quick adapter accessory:



Optional DC plug: (Available in customized cable or quick adapter)

Tuning Fork Style		Type No.	Α	В	С	Quick Adapter	
Tulling Fork Style			OD	ID	L	Accessory	
	A B	C +	P1I	5.5	2.1	9.5	Available (Current rating: 7.5A max.)
		(Straight)	P1L	5.5	2.5	9.5	
Welling			P1M	5.5	2.5	11.0	
		(Right-angled)	P1IR	5.5	2.1	9.5	
			P1JR	5.5	2.1	11.0	
			P1LR	5.5	2.5	9.5	
			P1MR	5.5	2.5	11.0	
Barrel Style			Type No.	Α	В	С	
				OD	ID	L	
	A B	(Straight) (Right-angled)	P2I	5.5	2.1	9.5	None
			P2J	5.5	2.1	11.0	
			P2L	5.5	2.5	9.5	
			P2M	5.5	2.5	11.0	
			P2IR	5.5	2.1	9.5	
			P2JR	5.5	2.1	11.0	
			P2LR	5.5	2.5	9.5	
			P2MR	5.5	2.5	11.0	
Lock Style			Type No.	Α	В	С	
			Type No.	OD	ID	L	
	A B	Floating Locking C	P2S(S761K)	5.53	2.03	12.06	None
			P2K(761K)	5.53	2.54	12.06	
			P2C(S760K)	5.53	2.03	9.52	
		SWITCHCRAFT original or equivalent	P2D(760K)	5.53	2.54	9.52	



N. B. O. I	T N.	A		В	С	Quick Adapter	
Min. Pin Style	Type No.	OD		ID	L	Accessory	
. A. EC	P3A	2.35	(0.7 11.0			
	P3B	4.0		1.7	11.0	Available (Current rating: 5A max.)	
ElAJ equivalent	P3C	4.75		1.7	11.0		
Contar Din Style	Type No.	А	В	С	D	Available (Current rating: 7.5A max.)	
Center Pin Style		OD	ID	L	Center Pin		
A LA	P4A	5.5	3.4	11.0	1.0		
	P4B	6.5	4.4	11.0	1.4		
EIAJ equivalent	P4C	7.4	5.1	11.0	0.6		
Min. DIN 3 Pin with Lock (male)	Type No.	Pin Assignment					
Willi. DIN 3 Pill Willi Lock (Illale)		PIN No).	Outp	ut		
	R6B	1		+Vc)	Available	
		2		-Vo)	(Current rating: 7.5A max.)	
KYCON KPPX-3P equivalent		3		+Vc)		
	Tuna Na	Pin Assignment					
Min. DIN 4 Pin with Lock (male)	Type No.	PIN No).	Output			
	R7B	1		+Vo)	Available	
2 3		2		-Vo		(Current rating: 7.5A max.)	
KYCON KPPX-4P equivalent		3		-Vo			
		4	Ш.	+Vo			
Stripped and tinned leads	Type No.	Pin Assignment					
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	PIN No).	Output		None	
1	by customer	1 (Ribbed)	+Vo			
L1 Length of Land L1 by request (MW's standard length, L: <u>25</u> mm, L1: <u>10</u> mm)		2 (Letter)	-Vo	·		

■ Installation Manual

Please refer to: http://www.meanwell.com/manual.html