SIEMENS

Data sheet 6EP1933-2EC41



SITOP UPS500S/DC/24VDC/15A/2.5KWS

SITOP UPS500S Maintenance free uninterruptible power supply with USB interface Basic device 2.5 kWs input: 24 V DC output: 24 V DC/15 A degree of protection IP20 *Ex approval no longer available*

Input	
supply voltage at DC rated value	24 V
voltage curve at input	DC
input voltage range	22 29 V DC
adjustable response value voltage for buffer connection preset	22.5 V
adjustable response value voltage for buffer connection	22 25.5 V; Adjustable in 0.5 V increments
input current at rated input voltage 24 V rated value	15.2 A; + approx. 2.3 A with empty energy storage (capacitor)
Mains buffering	
type of energy storage	with capacitors
design of the mains power cut bridging-connection	15 A for 3 s or 10 A for 6 s or 5 A for 15 s or 2 A for 38 s; longer buffering times with expansion modules
energy content of energy storage	2.5 kW.s
charging current	1 A, 2 A
adjustable charging current maximum note	factory setting approx. 1 A
Output	
output voltage	
 in normal operation at DC rated value 	24 V
 in buffering mode at DC rated value 	24 V
formula for output voltage	24 V ± 3 %
startup delay time typical	0.6 s
voltage increase time of the output voltage typical	25 ms
output voltage in buffering mode at DC	24 24.7 V
output current	
rated value	15 A
• in normal operation	0 15 A
in buffering mode	0 15 A
peak current	25 A
property of the output short-circuit proof	Yes
supplied active power typical	360 W
Efficiency	
efficiency in percent	
 at rated output voltage for rated value of the output current typical 	97.5 %
power loss [W]	
 at rated output voltage for rated value of the output current typical 	9 W
Protection and monitoring	
product function	
 reverse polarity protection against energy storage unit polarity reversal 	Yes
• reverse polarity protection against input voltage polarity	Yes

	reversal	
deplay version • for normal operation • in buffering mode • for normal operation • in buffering mode • for normal operation • in buffering mode • for normal operation • in buffering mode • for normal operation of the pressure or the pressible contribution and part Ala PARS 201 to 15 settling "REAT", reasoning buffer and after capity of Body At a PARS 201 to 15 settling "REAT", reasoning buffer and after capity of Body At a PARS 201 to 15 settling "REAT", reasoning buffer and after capity of Body At a PARS 201 to 15 settling "REAT", reasoning buffer and after capity of Body At a PARS 201 to 15 settling "REAT" is setting "REAT" as 87 disease. • For normal operation of the site	Signaling	
* for normal operation * for normal or suitability * for normal operation *		
	• •	setting "OK" ("OK" means: Voltage of the supplying power supply unit is greater than cut-in threshold set at the DC UPS module); lack of buffer standby: LED red (ALARM), floating changeover contact "ALARM/BAT" to setting "ALARM"; energy storage > 85%: LED green (BAT > 85%), floating NO contact "BAT >
product component PC interface Yes	in buffering mode	setting "BAT"; Prewarning buffer end after expiry of 80% of the available buffer time: LED red (ALARM), floating changeover contact "ALARM/BAT" to setting "ALARM"; Energy storage > 85%: LED green (BAT > 85%), floating NO contact
design of the interface Season of the interface Season of the int	Interface	
safevini isolation between input and output payonamic isolation between input and output protection class IP (Class III protection class IP) Approvation class IP (P20 P20	product component PC interface	Yes
galvanic isolation between input and output operating resource protection class P IP20 Approvals certificate of suitability • CE marking • UL approval • Caradring • UL approval • Caradring • UL approval • Cardring to Caradring • Cardring	design of the interface	USB
operating resource protection class IP protection class IP Approvals Certificate of suitability • CE marking • UL approval • as approval for USA Certificate of suitability • EAC approval • C-Crick • shipbuilding approval • ABS, DNV GL Marine classification association • Annerican Bureau of Shipping Europe Ltd. (ABS) • DNV GL EMC Standard • for emitted interference • for interference immunity • during operation • during pranpor • during pranpor • during storage environmental category according to IEC 60721 Methanical • a timput • a timpu	Safety	
Protection class IP	galvanic isolation between input and output	No
Approvals certificate of suitability	operating resource protection class	Class III
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● right 0 mm net weight 1 kg product feature of the enclosure housing can be lined up fastening method Snaps onto DIN rail EN 60715 35x7.5/15	• bottom	50 mm
net weight 1 kg product feature of the enclosure housing can be lined up Yes fastening method Snaps onto DIN rail EN 60715 35x7.5/15	• left	0 mm
product feature of the enclosure housing can be lined up fastening method Yes Snaps onto DIN rail EN 60715 35x7.5/15	• right	0 mm
fastening method Snaps onto DIN rail EN 60715 35x7.5/15	net weight	1 kg
·	product feature of the enclosure housing can be lined up	Yes
electrical accessories Extension module SITOP UPS501S	fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
	electrical accessories	Extension module SITOP UPS501S

MTBF at 40 °C	638 570 h
reference code according to IEC 81346-2	RB
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

