SIEMENS

Data sheet 6EP1933-2NC11

SITOP UPS500P/DC/24VDC/7A/10KWS/IP65

********** spare part ********* SITOP UPS500P maintenance-free uninterruptible power supply with USB interface basic device 10 kWs input: 24 V DC output: 24 V DC/7 A degree of protection IP65

input	
supply voltage at DC rated value	24 V
input voltage at DC	22.5 ... 29 V
adjustable response value voltage for buffer connection preset	22.5 V
adjustable response value voltage for buffer connection	permanently set
input current at rated input voltage 24 V rated value	7 A; + approx. 2 A with empty energy storage (capacitor)
memory	
type of energy storage	with capacitors
design of the mains power cut bridging-connection	7 A for 49 s or 5 A for 68 s or 3 A for 108 s or 1 A for 351 s
buffering time in the event of power failure	0.82 min
energy content of energy storage	10 kW.s
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	7 A
● in normal operation	0 ... 7 A
● in buffering mode	0 ... 7 A
peak current	22.5 A
charging current	2 A
efficiency	
efficiency in percent	
● at rated output voltage for rated value of the output current typical	96.5 %
power loss [W]	
● at rated output voltage for rated value of the output current typical	5.2 W
supplied active power typical	168 W
protection and monitoring	
product function	
● reverse polarity protection against energy storage unit polarity reversal	Yes
● reverse polarity protection against input voltage polarity reversal	Yes
display version	
● for normal operation	Normal operation: LED green (OK); Lack of buffer standby: LED red (ALARM);

● in buffering mode	Energy storage > 85%: LED green (CAP. > 85%) Buffered mode: LED yellow (BAT); Prewarning buffer end after expiry of 80% of the available buffer time: LED red (ALARM); Energy storage > 85%: LED green (CAP. > 85%)
interfaces	
product component PC interface	Yes
product function communication function	No
design of the interface	USB
safety	
galvanic isolation between input and output	No
operating resource protection class	Class III
protection class IP	IP65
standard	
● for emitted interference	EN 55022 Class B
● for interference immunity	EN 61000-6-2
standards, specifications, approvals	
certificate of suitability	
● CE marking	Yes
● UL approval	No
● EAC approval	Yes
MTBF at 40 °C	500 000 h
standards, specifications, approvals marine classification	
shipbuilding approval	No
Marine classification association	
● Det Norske Veritas (DNV)	No
ambient conditions	
ambient temperature	
● during operation	0 ... 55; with natural convection
● during transport	-40 ... +70
● during storage	-40 ... +70
environmental category according to IEC 60721	Climate class 3K3, 5 … 95% no condensation
connection method	
type of electrical connection	Plug-in connection
● at input	via connector set
● at output	via connector set
mechanical data	
width × height × depth of the enclosure	470 × 80 × 80 mm
installation width × mounting height	600 mm × 80 mm
required spacing	
● left	0 mm
● right	0 mm
fastening method	Screw mounting
● standard rail mounting	No
● S7 rail mounting	No
● wall mounting	Yes
housing can be lined up	No
net weight	2.2 kg
accessories	
electrical accessories	Connector set
further information internet links	
internet link	
● to website: Industry Online Support	https://support.industry.siemens.com
additional information	
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)
security information	
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Classifications

	Version	Classification
eClass	14	27-04-07-05
eClass	12	27-04-07-05
eClass	9.1	27-04-07-05
eClass	9	27-04-07-05
eClass	8	27-04-06-90
eClass	7.1	27-04-06-90
eClass	6	27-04-06-90
ETIM	9	EC000382
ETIM	8	EC000382
ETIM	7	EC000382
IDEA	4	4149
UNSPSC	15	39-12-10-11

Approvals Certificates

General Product Approval

Manufacturer Declaration

Declaration of Conformity

CE
EG-Konf.

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