SIEMENS

Data sheet 6EP4133-0JB00-0AY0

SITOP UPS1100/BAT. MODULE/24V/5AH/LIFEPO

SITOP UPS1100 Battery module with maintenance-free sealed Lithium Iron phosphate batteries for SITOP DC UPS module DC 24 V 5 Ah

Charging current charging voltage	
end-of-charge voltage at DC	
● at -10 °C recommended	28.8 V
● at 0 °C recommended	28.8 V
● at 10 °C recommended	28.8 V
● at 20 °C recommended	28.8 V
● at 30 °C recommended	28.8 V
● at 40 °C recommended	28.8 V
● at 50 °C recommended	28.8 V
Output	
output current rated value	20 A
charging current maximum	2.1 A
output voltage at DC rated value	24 V
Safety	
design of short-circuit protection	Battery fuse 25 A/32 V (FKS blade-type fuse + holder); overcurrent switch-off at 60 A > 30 ms/min and 24 A > 5 s/min
design of the overload protection	Valve control
display version for normal operation	LED green: Battery OK; LED flashing green: Error or warning; OFF: No communication
Safety	
operating resource protection class	Class III
protection class IP	IP20
Approvals	
certificate of suitability	
● CE marking	Yes
● UL approval	Yes
● as approval for USA	cURus-Recognized (UL 1778, CSA C22.2 No. 107.1), File E219627
● CSA approval	No
● cCSAus, Class 1, Division 2	No
● ATEX	No
certificate of suitability	
● EAC approval	Yes
● C-Tick	Yes
● shipbuilding approval	Yes
shipbuilding approval	ABS, DNV GL
Marine classification association	
● American Bureau of Shipping Europe Ltd. (ABS)	Yes
● DNV GL	Yes
environmental conditions	

Operating data note	For storage, mounting and operation of batteries, the relevant DIN/VDE regulations or country-specific regulations (e.g. VDE 0510 Part 2/EN 50272-2) must be observed.
ambient temperature	
● during operation	-20 ... +50 °C
● during transport	-40 ... +60 °C
● during storage	-20 ... +35 °C
relative temporary capacity loss at 20 °C in a month typical	3 %
Service life	
service life of energy storage	
● typical	capacity falls to 80 % of original capacity (according to EUROBAT)
● at 20 °C typical	15 y
● at 30 °C typical	10 y
● at 40 °C typical	9 y
● at 50 °C typical	2 y
ambient temperature during storage	Along with the storage and operating temperature, other factors such as the duration of the storage period and the charge status during storage have a decisive influence on the possible useful life. Batteries should therefore be stored as briefly as possible, always fully charged, and within the temperature range 0 to +20 °C.
Mechanics	
type of electrical connection	screw-type terminals
● for power supply unit	1 screw terminal each for 0.5 ... 16 mm² for + BAT and - BAT
● for control circuit and status message	1 screw terminal each for 0.14 ... 4 mm²
product component included	Accessories pack with solid-state circuitry fuse 25 A
width of the enclosure	189 mm
height of the enclosure	186 mm
depth of the enclosure	113 mm
installation width	189 mm
mounting height	201 mm
required spacing	
● top	15 mm
● bottom	0 mm
● left	0 mm
● right	0 mm
fastening method	
● wall mounting	Yes
● standard rail mounting	Yes
● S7 rail mounting	No
fastening method	snaps onto DIN rail EN 60715 35x15 or keyhole mounting for hooking in to M4 screws
net weight	3.4 kg
number of cells	16
battery capacity	5 A·h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)