



SITOP UPS1100/Battery module/24V/7AH

SITOP UPS1100 battery module with maintenance- free sealed lead-acid batteries for SITOP DC UPS modules 24 V DC 7 Ah

General information	
Technical Product Detail Page	https://i.siemens.com/1P6EP4134-0GB00-0AY0
electrical data	
end-of-charge voltage at DC	
• at -10 °C recommended	28 V
• at 0 °C recommended	28 V
• at 10 °C recommended	27.8 V
• at 20 °C recommended	27.3 V
• at 30 °C recommended	26.8 V
• at 40 °C recommended	26.6 V
• at 50 °C recommended	26.3 V
output	
battery capacity	7 A·h
output current rated value	40 A
output current in buffering mode maximum	40 A
peak current	120 A; for 30 ms
charging current maximum	1.75 A
output voltage at DC rated value	24 V
interfaces	
communication function	Yes
protection and monitoring	
design of short-circuit protection	Battery fuse 2x 25 A/32 V (solid-state circuitry blade-type fuse + support)
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
standards, specifications, approvals	
certificate of suitability	
• CE marking	Yes
• UL approval	Yes; cURus-Recognized (UL 1778, CSA C22.2 No. 107.1), File E219627
• EAC approval	Yes
standards, specifications, approvals hazardous environments	
certificate of suitability	
• ATEX	No
standards, specifications, approvals marine classification	
shipbuilding approval	Yes
Marine classification association	

- American Bureau of Shipping Europe Ltd. (ABS) - Det Norske Veritas (DNV)	Yes Yes
standards, specifications, approvals Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO ₂ eq]	
- total - during manufacturing - during operation - after end of life	24.166 kg 13.567 kg 8.167 kg 0.715 kg
ambient conditions	
ambient condition	For storage, mounting and operation of lead-acid batteries, the relevant DIN/VDE regulations or country-specific regulations (e.g. VDE 0510 Part 2/EN 50272-2) must be observed. You must ensure that the battery site is sufficiently ventilated. Possible sources of ignition must be at least 50 cm away.
ambient temperature	
- during operation - during transport - during storage	-15 ... +50 °C -20 ... +50 °C -20 ... +40 °C
relative temporary capacity loss at 20 °C in a month typical	3 %
service life	
service life of energy storage	
- typical - at 20 °C typical - at 30 °C typical - at 40 °C typical - at 50 °C typical	capacity falls to 80 % of original capacity (according to EUROBAT) 4 a 2 a 1 a 0.5 a
note	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.
connection method	
type of electrical connection	screw terminal
- for UPS module - for control circuit and status message	1 screw terminal each for 0.5 ... 16 mm ² for + BAT and - BAT 1 screw terminal each for 0.14 ... 4 mm ²
mechanical data	
width × height × depth of the enclosure	186 × 186 × 110 mm
installation width × mounting height	186 mm × 201 mm
required spacing	
- top - bottom - left - right	15 mm 0 mm 0 mm 0 mm
fastening method	can be screwed onto flat surface (keyhole mounting for hooking in to M4 screws)
- DIN-rail mounting - S7 rail mounting - wall mounting	No No Yes
net weight	6.1 kg
number of cells	12
accessories	
product component included	Accessories pack with solid-state circuitry fuse 25 A
further information internet links	
internet link	
- to website: Industry Mall - to web page: selection aid TIA Selection Tool - to web page: power supplies - to website: CAX-Download-Manager - to website: Industry Online Support	https://mall.industry.siemens.com https://www.siemens.com/tstcloud https://siemens.com/sitop https://www.siemens.com/cax 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	27-05-04-03
eClass	12	27-05-04-03
eClass	9.1	27-05-04-03
eClass	9	27-05-04-03
eClass	8	27-05-04-03
eClass	7.1	27-05-04-03
eClass	6	27-05-04-90
ETIM	10	EC000357
ETIM	9	EC000357
ETIM	8	EC000357
ETIM	7	EC000357
UNSPSC	15	26-11-17-01

Approvals Certificates

General Product Approval

Maritime application

[Manufacturer Declaration](#)

[Declaration of Conformity](#)



Maritime application

Dangerous goods

Environment



[Dangerous goods information](#)

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[Transport Information](#)



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