



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

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
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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)	Yes

<ul style="list-style-type: none"> • Det Norske Veritas (DNV) 	Yes
standards, specifications, approvals Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
<ul style="list-style-type: none"> • total 	24.166 kg
<ul style="list-style-type: none"> • during manufacturing 	13.567 kg
<ul style="list-style-type: none"> • during operation 	8.167 kg
<ul style="list-style-type: none"> • after end of life 	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	
<ul style="list-style-type: none"> • during operation 	-15 ... +50 °C
<ul style="list-style-type: none"> • during transport 	-20 ... +50 °C
<ul style="list-style-type: none"> • during storage 	-20 ... +40 °C
relative temporary capacity loss at 20 °C in a month typical	3 %
service life	
service life of energy storage	
<ul style="list-style-type: none"> • typical 	capacity falls to 80 % of original capacity (according to EUROBAT)
<ul style="list-style-type: none"> • at 20 °C typical 	4 a
<ul style="list-style-type: none"> • at 30 °C typical 	2 a
<ul style="list-style-type: none"> • at 40 °C typical 	1 a
<ul style="list-style-type: none"> • at 50 °C typical 	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
<ul style="list-style-type: none"> • for UPS module 	1 screw terminal each for 0.5 ... 16 mm ² for + BAT and - BAT
<ul style="list-style-type: none"> • for control circuit and status message 	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	
<ul style="list-style-type: none"> • top 	15 mm
<ul style="list-style-type: none"> • bottom 	0 mm
<ul style="list-style-type: none"> • left 	0 mm
<ul style="list-style-type: none"> • right 	0 mm
fastening method	can be screwed onto flat surface (keyhole mounting for hooking in to M4 screws)
<ul style="list-style-type: none"> • DIN-rail mounting 	No
<ul style="list-style-type: none"> • S7 rail mounting 	No
<ul style="list-style-type: none"> • wall mounting 	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	
<ul style="list-style-type: none"> • to website: Industry Mall 	https://mall.industry.siemens.com
<ul style="list-style-type: none"> • to web page: selection aid TIA Selection Tool 	https://www.siemens.com/tstcloud
<ul style="list-style-type: none"> • to web page: power supplies 	https://siemens.com/sitop
<ul style="list-style-type: none"> • to website: CAX-Download-Manager 	https://www.siemens.com/cax
<ul style="list-style-type: none"> • 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	27-05-04-03
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](#)

[Transport Information](#)



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