SIEMENS

Data sheet 6EP1935-6MD31



SITOP Battery module/24V/2.5AH

SITOP pure lead-acid battery module 24 V/2.5 Ah with maintenance-free sealed lead-acid batteries for SITOP DC UPS module 6 A and 15 A

General information	
Technical Product Detail Page	https://i.siemens.com/1P6EP1935-6MD31
electrical data	
end-of-charge voltage at DC	
● at -10 °C recommended	29 V
● at 0 °C recommended	28.6 V
● at 10 °C recommended	28.3 V
● at 20 °C recommended	27.9 V
● at 30 °C recommended	27.5 V
● at 40 °C recommended	27.2 V
● at 50 °C recommended	26.8 V
● at 60 °C recommended	26.4 V
output	
battery capacity	2.5 A·h
output current in buffering mode maximum	15 A
peak current	15 A
charging current maximum	5 A
output voltage at DC rated value	24 V
interfaces	
communication function	No
protection and monitoring	
design of short-circuit protection	Battery fuse 15 A/32 V (solid-state circuitry blade-type fuse + support)
design of the overload protection	Valve control
safety	
operating resource protection class	Class III
protection class IP	IP00
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
● Det Norske Veritas (DNV)	Yes

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standards, specifications, approvals Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
● total	13.97 kg
● during manufacturing	9.373 kg
● during operation	2.917 kg
● after end of life	0.494 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	-40 ... +60 °C
● during transport	-40 ... +60 °C
● during storage	-40 ... +60 °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	10 a
● at 30 °C typical	7 a
● at 40 °C typical	3 a
● at 50 °C typical	1.5 a
● at 60 °C typical	1 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	spring-loaded terminals
● for UPS module	1 screw terminal each for 0.08 ... 2.5 mm² for + BAT and - BAT
mechanical data	
width × height × depth of the enclosure	265 × 151 × 91 mm
installation width × mounting height	285 mm × 171 mm
fastening method	snaps onto DIN rail EN 60715 35x15 or keyhole mounting for hooking in to M4 screws
● DIN-rail mounting	Yes
● S7 rail mounting	No
● wall mounting	Yes
net weight	3.8 kg
number of cells	12
accessories	
product component included	Accessories pack with solid-state circuitry fuse 15 A
further information internet links	
internet link	
● to website: Industry Mall	https://mall.industry.siemens.com
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to web page: power supplies	https://siemens.com/sitop
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● 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	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and

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Classifications

	Version	Classification
eClass	16	27-05-04-03
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

Manufacturer Declaration | Declaration of Conformity | EG-Konf. | UL | UR | Miscellaneous

Maritime application

ABS | DNV

Dangerous goods

Dangerous goods information | Dangerous goods information

Environment

EPD

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