SIEMENS

Data sheet 6AG1134-0GB00-4AY0

SIPLUS PS BATTERIEMODUL 7 AH

SIPLUS PS UPS1100 battery module based on 6EP4134-0GB00-0AY0 with conformal coating, -15…+50 °C, SITOP UPS1100 battery module with service- free sealed lead batteries for SITOP DC UPS modules 24 V 7 Ah DC

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	2.1 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
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	
● in horizontal mounting position during operation	-15 ... +50 °C
● during transport	-20 ... +50 °C
● during storage	-20 ... +50 °C
relative temporary capacity loss at 20 °C in a month typical	3 %
installation altitude at height above sea level maximum	6 000 m
ambient condition relating to ambient temperature - air pressure	In case of operation at altitudes of 2000 - 6000 m above sea level: Reduction of

- installation altitude	the ambient temperature by 5 K/1000 m
relative humidity with condensation according to IEC 60068-2-38 maximum	100 %; RH incl. condensation/frost (no commissioning if condensation is present), horizontal installation
resistance to biologically active substances conformity according to EN 60721-3-3	Yes; Class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon request
resistance to chemically active substances conformity according to EN 60721-3-3	Yes; Class 3C4 (RH < 75%) incl. salt spray acc. to EN 60068-2-52 (severity level 3)
resistance to mechanically active substances conformity according to EN 60721-3-3	Yes; Class 3S4 incl. sand, dust
resistance to biologically active substances conformity according to EN 60721-3-6	Yes; Class 6B2 mold, fungal, sponge spores (except fauna)
resistance to chemically active substances conformity according to EN 60721-3-6	Yes; Class 6C3 (RH < 75%) incl. salt spray acc. to EN 60068-2-52 (severity level 3)
resistance to mechanically active substances conformity according to EN 60721-3-6	Yes; Class 6S3 incl. sand, dust
coating for equipped printed circuit board according to EN 61086	Yes; Class 2 for high availability
type of coating protection against pollution according to EN 60664-3	Yes; Type 1 protection
type of test of the coating according to MIL-I-46058C	Yes; Discoloration of the coating during service life possible
product conformity of the coating Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A	Yes; Conformal Coating, Class A
service life of energy storage	
● typical	capacity falls to 80 % of original capacity (according to EUROBAT)
● at 20 °C typical	4 a
● at 30 °C typical	2 a
● at 40 °C typical	1 a
● 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
● 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
mechanical data	
width × height × depth of the enclosure	186 × 186 × 110 mm
installation width × mounting height	186 × 201 mm
required spacing	
● top	15 mm
● bottom	0 mm
● left	0 mm
● right	0 mm
fastening method	can be screwed onto flat surface (keyhole mounting for hooking in to M4 screws)
● standard rail mounting	No
● S7 rail mounting	No
● 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	
● to website: Industry Mall	https://mall.industry.siemens.com
● 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 networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Classifications

	Version	Classification
eClass	14	27-04-06-92
eClass	12	27-04-06-92
eClass	9.1	27-04-92-01
eClass	9	27-04-92-01
eClass	8	27-04-92-01
eClass	7.1	27-04-92-01
eClass	6	27-04-92-01
ETIM	9	EC002850
ETIM	8	EC002850
ETIM	7	EC002850
IDEA	4	4149
UNSPSC	15	39-12-10-11

Approvals Certificates

General Product Approval

Miscellaneous

CE
EG-Konf.

Manufacturer Declaration

UK CA

last modified: 6/25/2024