SIEMENS

Data sheet 6AG1134-0GB00-4AY0

SIPLUS PS BATTERIEMODUL 7 AH
SIPLUS PS UPS1100 BATT MOD -15 ... +50°C with conformal coating based on 6EP4134-0GB00-0AY0 . SITOP UPS1100 BATTERY MODULE WITH SERVICE- FREE SEALED LEAD BATTERIES FOR SITOP DC-UPS-MODULES 24 V / 7 W

Charging current charging voltage	
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	
Rated current value Iout rated	40 A
Permissible charging current, max.	2.1 A
Rated voltage Vout DC	24 V

Safety	
Short-circuit protection	Battery fuse 2x 25 A/32 V (solid-state circuitry blade-type fuse + support)
Design of the overload protection	Valve control

Status display	LED green: Battery OK; LED flashing green: Error or warning; OFF: No communication

Safety	
Protection class	Class III
Degree of protection (EN 60529)	IP20

Approvals	
CE mark	Yes

environmental conditions	
Operating data note	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.
Relative temporary capacity loss at 20 °C in a month typical	3 %
Ambient temperature in horizontal mounting position during operation	-15 ... +50
Ambient temperature during storage and transport	-20 ... +50
Installation altitude at height above sea level maximum	6 000 m
Ambient condition relating to ambient temperature - air pressure - installation altitude	In case of operation at altitudes of 2000 - 6000 m above sea level: Reduction of the ambient temperature by 5 K/1000 m
Relative humidity with condensation acc. 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 acc. to EN 60721-3-3	Yes; Class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon request
Resistance to chemically active substances conformity acc. 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 acc. to EN 60721-3-3	Yes; Class 3S4 incl. sand, dust
Resistance to biologically active substances conformity acc. to EN 60721-3-6	Yes; Class 6B2 mold, fungal, sponge spores (except fauna)
Resistance to chemically active substances conformity acc. 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 acc. to EN 60721-3-6	Yes; Class 6S3 incl. sand, dust
Coating for equipped printed circuit board acc. 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 acc. 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 acc. to IPC-CC-830A	Yes; Conformal Coating, Class A

Service life

Service life of energy storage	
• typical Note	capacity falls to 80 % of original capacity (according to EUROBAT)
• at 20 °C typical	4 y
• at 30 °C typical	2 y
• at 40 °C typical	1 y
• at 50 °C typical	0.5 y
Ambient temperature during storage 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.

Mechanics	
Connection technology	screw-type terminals
Connection for power supply unit	1 screw terminal each for 0.5 ... 16 mm² for + BAT and - BAT
Type of electrical connection for control circuit and status message	1 screw terminal each for 0.14 ... 4 mm²
Product component belonging to	Accessories pack with solid-state circuitry fuse 25 A
Width of the enclosure	186 mm
Height of the enclosure	186 mm
Depth of the enclosure	110 mm
Installation width	186 mm
Installation height	201 mm
Weight, approx.	6.1 kg
Installation	can be screwed onto flat surface (keyhole mounting for hooking in to M4 screws)
Number of cells	12
Battery	7 A·h
Other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)