SIEMENS

Data sheet 6EP4145-8GB00-0XY0



SITOP BAT8600/PB/380WH

SITOP BAT8600 Pb battery module for UPS8600 DC 48 V/380 Wh energy storage: mainten.-free lead batteries

Technical Product Detail Page	https://i.siemens.com/1P6EP4145-8GB00-0XY0
output	
energy content of energy storage	380 W·h
output current rated value	20 A
output voltage at DC rated value	48 V
design of the mains power cut bridging-connection	typ. 10 min at 960 W system load, typ. 25 min at 480 W system load (applies to new, fully charged battery module at ambient temperature 25°C)
number of parallel-switched equipment resources for increasing the power	5
interfaces	
communication function	Yes
protection and monitoring	
design of short-circuit protection	Blade-type fuse 40 A, 58 V DC
design of the overload protection	Valve control
display version for normal operation	3-color LED for operating state module
safety	
operating resource protection class	Class III
protection class IP	IP20
standards, specifications, approvals	
certificate of suitability	
● CE marking	Yes
● UL approval	Yes; cULus (UL 61010-1 3rd Ed., UL 61010-2-201 2nd Ed.)
● EAC approval	Yes
type of certification CB-certificate	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
standards, specifications, approvals Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
● total	55.155 kg
● during manufacturing	30.833 kg
● during operation	18.794 kg
● after end of life	1.625 kg

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ambient conditions	
ambient condition	For storage, mounting and operation of batteries, the relevant DIN/VDE regulations or country-specific regulations (e.g. VDE 0510 Part 2/EN 50272-2) must be observed.
ambient temperature	
● during operation	-10 ... +50 °C
● during transport	-40 ... +60 °C
● during storage	-15 ... +40 °C
service life	
service life of energy storage	
● typical	capacity falls to 80 % of original capacity (according to EUROBAT)
● at 10 °C typical	8 a
● 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	In addition to the storage temperature, additional factors, such as storage duration and charging status during storage, have a major impact on the potential service life. This means batteries should preferably be stored fully charged for short periods of time in a dry, cool and frost-proof (temperature range 0 to +20 °C) location.
connection method	
type of electrical connection	Plug-in terminals with screwed connection
● for UPS module	+, -: 2 plug-in terminals with 1 screwed connection each for 0.2 ... 10 mm²
● for data cable	COM1, COM2: 2 plug-in terminals with 1 screwed connection each for 0.2 ... 2.5 mm²
mechanical data	
width × height × depth of the enclosure	322 × 187 × 110 mm
installation width × mounting height	322 mm × 207 mm
required spacing	
● top	20 mm
● bottom	0 mm
● left	0 mm
● right	0 mm
fastening method	Keyhole mounting for hooking in to M4 screws
● DIN-rail mounting	No
● S7 rail mounting	No
● wall mounting	Yes
net weight	13.5 kg
number of batteries	4
accessories	
product component included	2x blade-type fuse 40 A, 58 V DC
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 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

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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

CB

Manufacturer Declaration

Declaration of Conformity

UKCA

CE

Declaration of Conformity

General Product Approval	Maritime application		Dangerous goods		Environment
UL	ABS	DNV	Dangerous goods information	Transport Information	EPD

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