SITOP DC UPS

Product Data Sheet

6EP1935-6MD11

24 V 3.2 Ah UPS Battery Module

NOMINAL BATTERY VOLTAGE	NOMINAL CAPACITY	BATTERY CHEMISTRY	SERIES CELL COUNT
24 V DC	**3.2 Ah**	**Sealed maintenance-free lead-acid**	**12**

Siemens 6EP1935-6MD11 is a 24 V, 3.2 Ah sealed lead-acid battery module for the documented SITOP DC UPS 6 A and 15 A arrangements. Twelve cells form the maintenance-free battery assembly. The specified maximum buffering current is 9.6 A, with a 15 A peak allowance, while the maximum charging current is 0.8 A.

01 TECHNICAL DATA

Nominal battery voltage	24 V DC
Nominal capacity	3.2 Ah
Battery chemistry	Sealed maintenance-free lead-acid
Series cell count	12
Maximum buffering current	9.6 A
Maximum peak buffering current	15 A
Maximum charging current	0.8 A
Integrated fuse	15 A; 32 V blade fuse
Operating ambient	-15 to 50 degrees C
Storage ambient	-20 to 50 degrees C

Siemens 6EP1935-6MD11 manufacturer technical data; applicable specification pages.

02 ADDITIONAL PRODUCT DATA

Self-discharge at 20 degrees C	3% per month
Recommended end-charge voltage at 20 degrees C	27.3 V
Recommended end-charge voltage at 40 degrees C	26.6 V
Protection class	Class III
Enclosure protection	IP00

03 PRODUCT FUNCTION

A 15 A, 32 V blade fuse protects the battery connection, and the module has Class III electrical protection with an IP00 enclosure rating. The permitted operating ambient is -15 to 50 degrees C. Siemens gives temperature-dependent end-charge recommendations, including 27.3 V at 20 degrees C and 26.6 V at 40 degrees C. Battery service life depends strongly on temperature and duty; the nominal ampere-hour figure alone does not define backup duration.

04 SYSTEM COMPATIBILITY

Configure charging under the battery-module and UPS instructions, keeping current within 0.8 A. Apply the temperature-dependent end-charge recommendation relevant to the installation. The 27.3 V value at 20 degrees C and 26.6 V value at 40 degrees C are not interchangeable fixed settings.

05 REFERENCE

Siemens 6EP1935-6MD11 manufacturer technical data; applicable specification pages.

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