



module 6EP1935-6MC01

URL:<https://www.sxplc.com/module-6ep1935-6mc01>

Product data sheet

Battery Data

Voltage at end of charge DC

● 29 V recommended at -10 °C

● Recommended 28.4 V at 0 °C

● 27.8 V at 10 °C recommended

27.8 V recommended at 10 °C ● 27.3 V recommended at 20 °C

● 26.8 V at 30 °C recommended

Recommended 26.6 V at 40 °C

Recommended 26.3 V at 50 °C

Output

Battery capacity 1.2 A-h

Output current Maximum 3.6 A with buffer operation

Peak current 7.5 A

Charging current Maximum 0.3 A

Output voltage DC Nominal 24 V

Connector

Communication function No

Protection and monitoring

Short-circuit protection specifications Battery fuse 7.5 A/32 V (FKS flat fuse + holder)

Overload protection device specifications Valve control

Safety

Equipment protection class Class III

Protection class IP IP00

Standards, specifications, licenses

Certificates of conformity

- CE marking yes
- UL License Yes; cURus-Recognized (UL 1778, CSA C22.2 No. 107.1), File E219627
- EAC License Yes

Standards, Specifications, Licenses Hazardous Environment

Qualification

- ATEX No
- cCSAus, Class 1, Division 2 No

Standards, specifications, licenses Classification society certification

Shipbuilding license Yes

American Bureau of Shipping Europe Ltd. (ABS) Yes

- Det Norske Veritas (DNV) Yes

Standards, specifications, licenses Environmental product declarations

Environmental Product Declarations Yes

Global Warming Potential [CO2 equivalent] ● Total 6.7 kg

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● During manufacture 4.1 kg

● During operation 1.8 kg

● End-of-life 0.26 kg

Environmental Conditions

When storing, installing, and operating lead batteries, attention must be paid to the relevant DIN/VDE regulations or country-specific regulations (e.g., VDE 0510 Part 2).

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The location of the battery must be ventilated and drained normally. Fire sources must be at least 50 cm away.

Ambient temperature

During operation -15 ... +50 °C ● -15 ... +50 °C during operation

During transportation -20 ... +50 °C During transportation -20 ... +50 °C

During transportation -20 ... +50 °C ● During storage -20 ... +50 °C +50 °C

Relative temporary capacitance loss 3 % typical for a month at 20 °C.

Accumulator life

- Typically reduced to 80 % of the original charge (according to EUROBAT)

- Typical 4 a at 20 °C

Typical 4 a at 20 °C Typical 2 a at 30 °C Typical 1 a at 40 °C

- Typical 1 a at 40 °C

- Typical 0.5 a at 50 °C

In addition to storage and operating temperatures, factors such as the length of storage and the amount of power used during storage are also decisive for operating life.

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Connection Technology

Electrical Connection Specifications Spring Connection

For power supply module Each 1 terminal 0.08 ... 2.5 mm² for use with power supply module. 0.08 ... 2.5 mm² for + BAT and - BAT

Mechanical Parameters

Width × Height × Depth 96 × 106 × 108 mm for housing

Mounting width × mounting height 116 × 126 mm

Fastening type Lockable to standard type steel plate EN 60715 35 x 7.5/15 or eyelet fixing suspended in M4 bolt

● DIN rail mounting yes

● S7 profile rail mounting no

● Wall mounting yes

Net weight 1.8 kg

Number of units 12

Accessories

Product components Included in the scope of delivery Accessory package with 7.5 A FKS fuse

