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.

In addition to storage and operating temperatures, such as the duration of storage and the amount of charge during storage, are also decisive factors for the operating life. Therefore, store the batteries for as short a time as possible, always in a fully charged state, and at temperatures ranging from 0 to +20°C.

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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