

24V-49AH battery Technical Sheet



Electrical Specifications

Voltage	24V
Capacity	49AH
The capacity is @49A	60 minute
Energy	1352.4W
Automatic discharge	monthly <3%
The largest unit in series	/
Maximum number of units in parallel	2

Charging specifications

Charging current is recommended	5A - 180A
Maximum charging current	180A
Recommended charging voltage	28.5±0.2V

Discharge specifications

Continuous discharge current	180A
BMS – Discharge disconnect voltage	22V
BMS – Discharge reconnection voltage	22.1V
Short-circuit protection	Available

Temperature specifications

Discharge temperature	-40 to 65°C
Charging temperature	-40 to 65°C

Storage specifications

Storage temperature	-40 reach 65°C
Storage voltage	from 28.2V to 28.5V

Communication Specifications

Bluetooth	No
Communication port	RS232 (internal)
LCD screen	No
Volthium CAN Hub communication (VE.CAN)	Incompatible

Heating specification (optional)

Heating temperature	No
Activate the current	6A
Heating current	No
How the system is activated	Manual

The number of cycles is based on to the average percentage of discharge used

100% discharged	25000 < cycle
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Mechanical Specifications:

Size	471*205*186mm
Material	Sheet metal metal
weight	24 kg
Terminal type	M8
Tightening torque on the terminal	8~10 Nm

Certification & Design

Devise	12S1P
Authentication	UL1973
Shipping classification	UN 38.3
Battery type	Lithium titanate NTO 60180- 2.3V/49AH

