

12V 49AH battery Technical sheet



Electrical Specifications

voltage	13.8V
capacity	49AH
The capacity is @49A	60 minutes
energy	676.2Wh
Automatic discharge	<3% per month
The largest unit in series	/
Maximum parallel unit number	2

Charging specifications

Charging current is recommended	5A - 100A
Maximum charging current	100
Recommended charging voltage	14.2V - 14.6V

Discharge specifications

Continuous discharge current	100A
BMS – Discharge disconnect voltage	12V
BMS – Discharge reconnection voltage	12.1V
Short-circuit protection	Available

Temperature specifications

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

Storage specifications

Storage temperature	-40 to 65°C
Storage voltage	From 14.2V to 14.5V

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 < cycles
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Mechanical Specifications :

size	242*202*200mm
Material	Sheet metal metal
weight	12 kg
Terminal type	M8
Tightening torque on the terminal	8~10Nm

Certification & Design

Devise	6S1P
Authentication	UL1973
Shipping classification	UN38.3
Battery type	Lithium titanate NTO60180- 2.3V/49AH

