



DOD
80%

6000 cycles
at 80% DOD

10
years

10 years
standard warranty



Superior LiFePO4
safety performance



Low voltage
safety connection



Max. 10 modules parallel

Magneto EVO

LiFePO4 Battery range

- EVO 100 - 5.1 kWh
- EVO 200 - 10.2 kWh
- EVO 280 - 14.4 kWh

magneto[®]
RENEWABLE ENERGY

Parameters

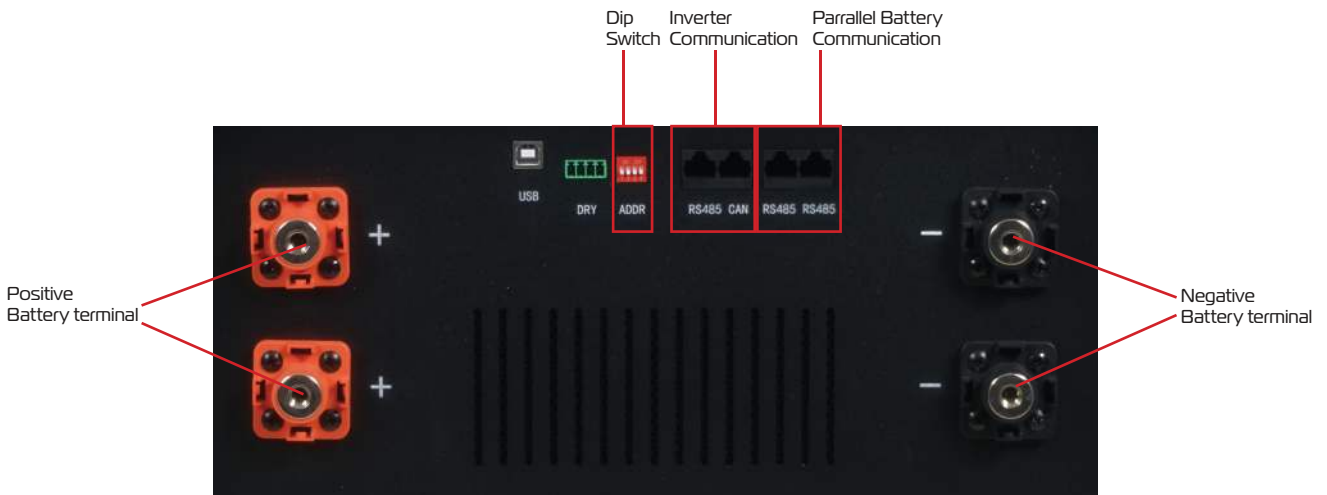
Parameters	IMS202 - EVO100	IMS203 - EVO200	IMS204 - EVO280
Nominal Energy	5.12KWh	10.24KWH	14.4KWH
Nominal Voltage	51.2V	51.2V	51.2V
Nominal Capacity	100Ah	200Ah	280Ah
Standard Charge Voltage	56V	56V	56V
Max Discharge Current	100A - 1C	150A - 0.75C	200A - 0.7C
Max Charge Current	80A - 0.8C	120A - 0.6C	160A - 0.57C
Discharge Cut-Off Voltage	46.5V	46.5V	46.5V
Parallels Function	Support 10 Units In Parallels		
Communication Interface	RS485, RS232, CAN		
Cycle Life *	≥6000 Cycles (80%DOD)		
Charge temperature range	0~55 C		
Discharge temperature range	-10~60 C		
Dimensions (Length*Width*Depth)	630*480*155mm	660*480*240mm	830*490*240mm
Weight	50Kg	90Kg	120Kg
Installation method	EVO100, EVO200 wall mount		
	EVO280 Floor standing		
Warranty	10 Years (Please see warranty document)		

Compatible With Inverter Brands

battery BMS supports simultaneous communication and compatible with multiple inverter brands



Battery Structure



Side view with on and off button

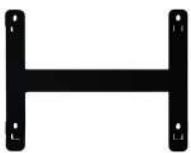


Front view Battery display



Top view Battery connection points

Battery Pack Accessories



Model: H-Bracket

Details: Simple wall mounting bracket for easy installation.



Battery parallel communication cable

Details: For communication between parallel batteries.



Battery CAN communication cable

Details: for communication with Deye/ Sunsynk Solis, Luxpower Inverters.



Battery RS 485 communication cable

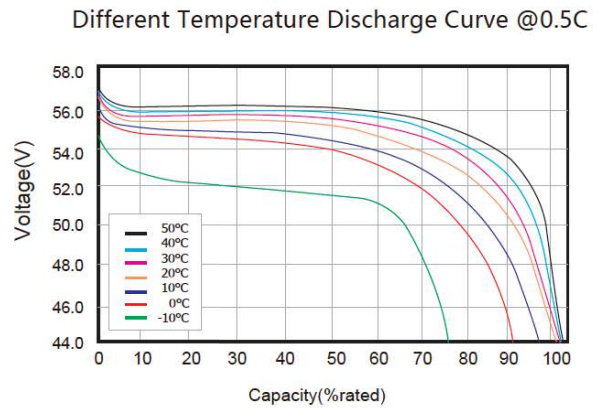
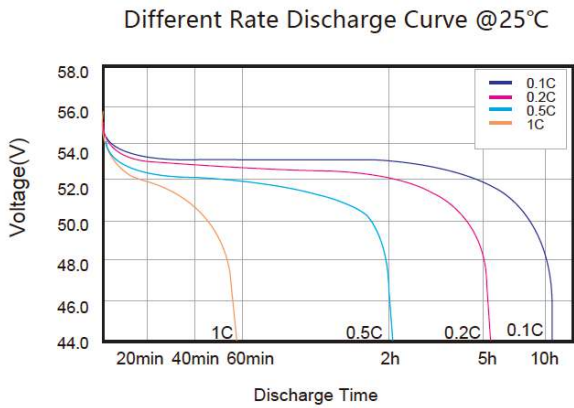
Details: for communication is Voltronic Inverters.



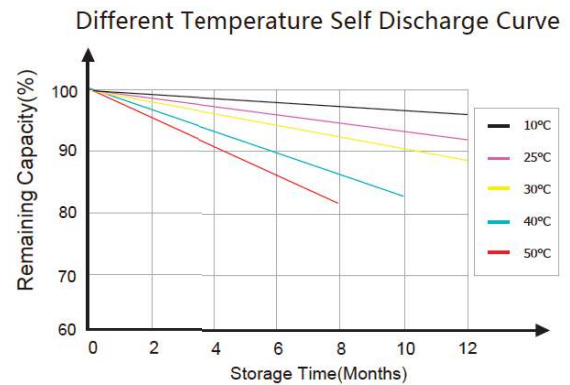
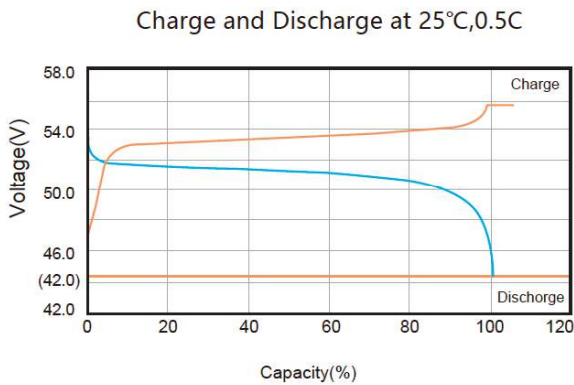
Battery manual

Details: Installation manual

● Different current/Temperature Discharge curves



● Charging and Discharge curve



● Cycle Life Curve

