

GRP2.56-SHV

High Voltage Battery



KEY FEATURES

- High-voltage LiFePO₄ battery solution, Single module is 51.2V 50Ah 2.56kWh, 3 to 10 layers recommended.
- Modular Design, simplifies transport and installation.
- LFP Battery: Maximum Safety, Life Cycle and Power.
- Excellent temperature performance, temperature of discharge @-20°C ~ +60°C.

	GRP2.56-S3HV	GRP2.56-S4HV	GRP2.56-S5HV	GRP2.56-S6HV	GRP2.56-S7HV	GRP2.56-S8HV	GRP2.56-S9HV	GRP2.56-S10HV
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Battery Parameter

Battery Cell	LiFePO ₄							
Battery System Capacity	7.68kWh	10.24kWh	12.8kWh	15.36kWh	17.92kWh	20.48kWh	23.04kWh	25.6kWh
Module number	3	4	5	6	7	8	9	10
Nominal Capacity	50Ah							
Depth of Discharge	90%							
Nominal Voltage	153.6V	204.8V	256V	307.2V	358.4V	409.6V	460.8V	512V
Voltage Range	129.6 ~ 168.48Vdc	172.8~224.64Vdc	216~280.8Vdc	259.2~336.96Vdc	302.4~393.12Vdc	345.6~449.28Vdc	388.8~505.44Vdc	432~561.6Vdc
Nominal Charge/ Discharge Current	50A							
Dimension (W x H x D)	600 x 820 x 210 mm	600 x 980 x 210 mm	600 x 1140 x 210 mm	600 x 1300 x 210 mm	600 x 1460 x 210 mm	600 x 1620 x 210 mm	600 x 1780 x 210 mm	600 x 1940 x 210 mm
Weight	102.5kg	129kg	155.5kg	182kg	208.5kg	235kg	261.5kg	288kg
Installation	Stacked							
Temperature of Charge	0~55°C							
Temperature of Discharge	-20°C ~+60°C							
Protection Degree	IP65							
Communication Port	RS485, CAN							
Display	LED							
Operation Humidity	5~95%							
Max. Operating Altitude	2000m							
Cycle Life	6000@80% DOD,25°C ,0.5C							
Certification	CE, CB, UN38.3, MSDS							