

PLUG INTO THE CURRENT FUTURE



LiFePO<sub>4</sub> Battery Range

## FW 12-40

Nominal Voltage	12.8V
Nominal Capacity	40Ah
 Energy	512Wh
nternal Resistance	≤20mΩ
Cycle Life	>2000 cycles at 0.2C 100% DOD
Months Self Discharge	<3%
Efficiency of Charge	100% at 0.5C
Efficiency of Discharge	96~99% at 1C
Charge	
Charge Volt	14V-14.6V
Charge Mode	CC at 0.2C to 14.6V, then at CV14.6V to charge current less than 0.02C
Charge Current	9A
Max. Charge Current	20A
Charge Cut-off Voltage	15.6V+/-0.2V
Discharge	
Max. Continuous Current	40A
Max. Pulse Current	80A(<3s)
Discharge Cut-off Voltage	8V
Environment	
Charge Temperature	0°C to 45°C (32F to 113F) at 60±25% Relative Humidity
Discharge Temperature	– 20°C to 60°C (-4F to 140F) at 60±25% Relative Humidity
Storage Temperature	0°C to 40°C (32F to 104F) 60±25% Relative Humidity
Water Dust Resistance	IP56
Mechanical	
Cell Material	LiFePO <sub>4</sub>
Plastic Case	ABS
Dimensions (mm)	197 x 165 x 170mm
Weight (kg)	5.75 kg
Terminal	M6
BMS	

LITHIUM BATTERY SOLUTIONS SINCE 2010

Contact your nearest Accredited Freedom Won Distributor or Reseller Installers for further sales and technical support. Website links below.

protection, Balanced function, Temperature protection