



# LITHIUM IONEN POWER AKKU

## LiFePO4 Block

### S18-L (12.8V-18Ah )



#### Electrical Characteristics

Nominal Voltage	12.8V
Nominal Capacity	18AH
Energy	230.4Wh
Internal Resistance	50mΩ
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	14.6+/-0.2V
Charge Mode	CC at 0.2C to 14.6V, then at CV14.6V to charge current less than 0.02C
Charge Current	3.6A
Max. Charge current	18A
Charge cut off voltage	15.6V+/-0.2V

#### Discharge

Max. Continuous Current	18A
Max. Pulse Current	36A (<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	LiFePO4
Plastic Case	ABS
Dimensions (in./mm)	181*77*167mm
Weight (lbs./kg.)	2.7KG
Terminal	M5

#### BMS

Protection function	Over charge protection, Over discharge protection, Over current protection, Short current protection, Balanced function, Temperature protection
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#### Discharge Characteristic

#### Dimensions

