






Battery System Designed For PV Household Application

# SMILE5-BAT



-  Plug & Play
-  Modular
-  Safety
-  Long Lifetime

## Physical

Model	SMILE5-BAT
Battery Type	LiFePO <sub>4</sub> (LFP)
Battery Manufacturer	
System Weight	80 kg
Dimension (W x D x H)	600 x 250 x 600 mm
Protection Level	IP65

## Electrical

Installed Capacity	5.7 kWh
Usable Capacity	5.2 kWh
DOD	90%
Nominal Voltage	51.2 V
Operation Voltage Range	48 ~ 57.6 V
Internal Resistance	≤30 mΩ
Cycle Life	≥6000

## BMS

Power Consumption	<2 W (Work) <100 mW (Sleep )
Monitoring Parameters	System voltage, current, cell voltage, cell temperature, PCBA temperature.
SOC	Intelligent algorithm
Communication	CAN and RS485 compatible

## System Configuration

Module Connect	1-6 Parallels
Capacity Range	5.7/11.5/17.2/22.9/28.7/34.4 kWh

## Operation

Max. Charge Current	56 A (0.5C)
Max. Discharge Current	56 A (0.5C)
Operating Temperature Range	* -10°C ~ 50°C
Transport Or Storage Temperature Range	-25°C ~ 45°C
Humidity	15 ~ 85%

## Warranty

Product Warranty	5 Years
Performance Warranty	10 Years

\* When the temperature is below zero the battery are not allowed to charge. And derating power output when the temperature is above 40°C.



#### Headquarters:

+86 (0)513 806 068 91  
 info@alpha-ess.com  
 www.alpha-ess.com  
 JiuHua Road 888, Nantong High-Tech Industrial Development Zone, Nantong City, 226300

#### Germany:

+49 (0)6103 / 459 160-1  
 europe@alpha-ess.de  
 www.alpha-ess.de  
 Paul-Ehrlich-Straße 1a,  
 63225 Langen, Hessen

#### Australia:

1300 968 933 (Australia Only)  
 australia@alpha-ess.com  
 www.alpha-ess.com.au  
 Suite 2, Level 1, 530 Botany Road,  
 Alexandria, NSW, 2015



Official Website



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