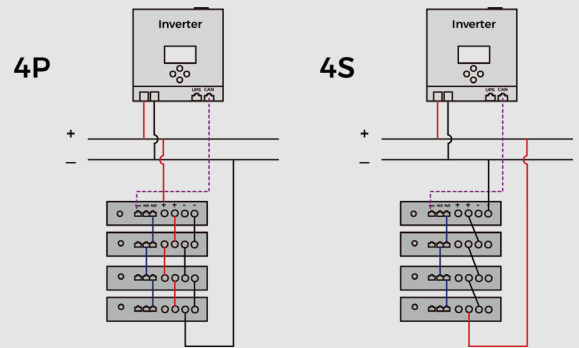


Energy Storage Module System


AESS 5000/5000A




Key Features

 **>6000**
Cycle Life@25°C


 **Automatic Wake-up Function**
Under off-grid System Environment


 **Smart BMS**
Self-Evolved BMS

 **Remote Monitoring**
Self-Evolved APP

 **Multiple Safety Protection**
Relay, Fuse, DC Breaker

 **New & used batteries can be networked together**
Connect in Parallel

 **Parallel & Series**
Assemble independently or in parallel up to 8S8P(16S8P)

 **Voltage Balancing**
Voltage balancing between battery cells & battery pack

Specifications



Model	AESS 5000	AESS 5000A
Total Energy*	5.1kWh	5.1kWh
Usable Energy(DC)*	4.6kWh	4.6kWh
Nominal Dis-/Charge Power	3.0kW	3.0kW
Peak Power(Only Discharge)	6kW for 3s	6kW for 3s
Constant Current(Only Discharge)	80A	80A
Voltage	48~56Vd.c	48~56Vd.c
Nominal Voltage	51.2Vd.c	51.2Vd.c
Nominal Current	60A	60A
Max. Charge Voltage	57.6Vd.c	57.6Vd.c
Weight	45kg	45kg
Dimension(mm)(L*W*H)	500*442*133mm	500*442*133mm
Max.recommended DOD	90%	
Operating Condition	Indoor	
Operating Temperature	Charge	From 0~50 °C
	Discharge	From -10~55 °C
WIFI Frequency Range	2400MHz~2483MHz	
Humidity	<60%(Nocondensed water)	
Over Voltage Category	II	
Cooling Type	Natural cooling	
Case Material	Metal	
Color	Black or White	
Installation	Wall mounting/Ground Installation	
IP rating	IP 20	
Protective Class	I	
Max. Connection Number	8S/8P	16S/16P
Warranty	10 years	
Life Span	>15 years	
Communication	CAN/RS485	
Protection Mode	Dual hardware protection	
Battery Protection	Over-current/Over-voltage/Short circuit/Under-voltage/Over temperature	
Safety	Cell UL1973	Cell UL1973
	CE/TUV	
Hazardous Material Classification	9	
Transportation	UN 38.3	