



ALL IN ON ENERGY STORAGE SYSTEM

ESS

Battery	
Battery Type	LFP, 3.2V/280Ah
Rated Energy	14.336kWh
Rated Battery Voltage	51.2 V
Voltage Range	43.2V~58.4V
Inverter	
OUTPUT	
Rated Output Power	5500W
Max. Peak Power	11000VA
Nominal AC Voltage/ Range	230Vac
Nominal AC grid frequency/ range	50/60Hz
Switch time	10ms (Typical)
PV INPUT	
Num. of MPTT Trackers	1
Max PV Array power	6000W
Input Current	22A
Max. Voltage of Open Circuit	500Vdc
MPTT voltage range	120~450Vdc
Utility /Generator INPUT	
Input Voltage Range	90~280Vac
Frequency range	50/60Hz
Bypass Overload Current	40A
System Parameters	
Depth of Discharge	90%
Size	970*860*250mm
Weight	135Kg
Protection Degree	IP20, Indoor only
Operation Temperature Range	-10~55°C>45°C Derating
Noise	<60dB
Cooling Method	Built – in fan
Communication interface	RS485/CAN