

BES Series

ALL-IN-ONE ENERGY STORAGE SYSTEM



- Supports high PV voltage input (60 - 500V)
- IP65 Grade
- 27A
Max PV input current
- WIFI connection,
APP monitoring
- Supports up to 12
units in parallel
- Lithium iron phosphate
battery, safer

BES Series Product Introduction

Model	BES6200 - 248 - 5kWh	BES6200 - 248 - 10kWh	BES11000 - 248 - 10kWh	BES11000-248-16kWh
Load power	6200W	6200W	11000W	11000W
Total Energy(Wh)	5120Wh	10240 Wh		16076 Wh
Number of parallel	Up to 12 in parallel (Parallel up to 380VAC output)		Up to 6 in parallel (Parallel up to 380VAC output)	
Solar Input				
Maximum PV Open - circuit Voltage	500VDC			
PV Working Voltage range	60 - 500VDC			
MPPT Voltage Range	60 - 450VDC			
Maximum PV Input Current(A)	27		18*2	
Maximum PV Input Power(W)	6500W		5500W*2	
Maximum PV Charging Current(A)	100A		160A	
Number of MPPT interface	2 way			
AC Input				
Rated input Voltage	230VAC			
Input Voltage Range	UPS Mains Mode:170 - 280VAC±2% / APL Generator Mode:90 - 280V±2%			
Frequency	50Hz/60Hz(Automatic Detection)			
Mains Charging Efficiency	>95%			
AC Output				
Output Voltage Waveform	Pure Sine Wave			
Rated Output Voltage(VAC)	230VAC (Parallel output up to 380VAC)			
Rated Output Power(W)	6200W		11000W	
Peak Power(W)	12400W		22000W	
Output Frequency Range(Hz)	50Hz±0.3Hz/60Hz±0.3Hz			
Maximum Efficiency	>93%			
Switch Time(Bypass And Inverter)	10ms(Typical Value)			
Maximum Bypass Overload Current	40A			
Protection	Over Voltage, Low Voltage, Over Current, Over Temperature, Low Temperature, Short Circuit			
General Parameters				
Communication Protocol	RS232 Protocol			
IP level	IP65			
Certificate	CE(IEC62109 - 1)			
EMC Certification Level	EB61000,C2			
Operating Temperature(°C)	-10 - 55°C			
Storage Temperature(°C)	-25 -60°C			
Humidity Range	5% to 95%(Conformal Coating Protection)			
Dimension(W*D*H, mm)	565*200*1045	560*200*1160	635*200*1200	635*200*1500
Weight (kg)	70.4KG	111KG	120KG	160KG
Optional Configuration	WIFI module			
Standard Configuration	AC cable(1m), PV input cable(1m)			