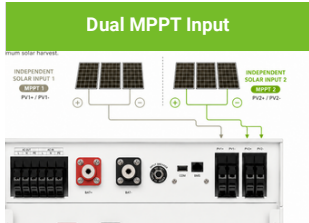




FLOOR-STAND AIO ESS

Dual MPPT JSAF1216



► **All-in-One Integrated Design**
Battery, inverter and MPPT solar charger integrated into one compact cabinet for easy installation.

► **High-Capacity Energy Storage**
Available from 10kWh to 16kWh for reliable home backup power.

► **Powerful Output Performance**
6kW–12kW output power supports multiple household appliances simultaneously.

► **Seamless Backup Power with UPS**
UPS function with fast switching time for uninterrupted power supply.



Parameter	JSAF610 6kW+10kWh	JSAF616 6kW+16kWh	JSAF1016 10kW+16kWh	JSAF1216 12kW+16kWh
AC Input				
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L+N+PE			
Voltage Range (VAC)	90~280±3 (Normal Mode); 170~280±3 (UPS Mode)			
Frequency (Hz)	50 / 60 Auto Adaptive			
AC Output				
Rated Output Power	6kW	6kW	10kW	12kW
Surge Power	12kVA	12kVA	20kVA	24kVA
Output Voltage (VAC)	208 / 220 / 230 / 240			
Power Factor (PF)	1			
Frequency	50/60Hz ±0.1%			
Switch Time	10ms			10ms (APP/UPS), 20ms (GEN)
Wave Form	Pure Sine Wave			
Overload Protection	60s@102~110%; 10s@110~130%; 3s@130~150%; 0.2s@>150%			
Max. Efficiency (Battery Mode)	93%@48VDC		94%@48VDC	
Solar Charger (PV)				
Solar Charger Type	MPPT		Dual MPPT	
Max PV Input Current / Power	27A / 9000W	27A / 9000W	22A+22A / 6kW+6kW	1*MPPT:27A/9kW; 2*MPPT:22.5A/15kW
Operating Voltage Range (VDC)	80~450			90~485
Max PV Open Circuit Voltage (VDC)	500			
Max PV Charge Current	120A		160A	
Max AC Charge Current	120A		160A	
Max Charge Current (PV+AC)	120A		160A	
Battery				
Nominal Battery Voltage	51.2VDC			
Rated Energy	10kWh (0.5C,25°C)	16kWh (0.5C,25°C)	16kWh (0.5C,25°C)	16kWh
Usable Energy (90% DOD)	9kWh	14.4kWh	14.4kWh	90% DOD
Max Charge / Discharge Current	100A / 200A	150A / 150A	200A / 200A	200A / 200A
Operation Voltage Range	40.0~58.4VDC			
Operation Temperature	-10°C~+50°C			
Interface				
Display	LCD	LCD	LCD	LCD
Communication	USB	USB	USB	RS485 / RS232 / USB / Dry Contact
Monitoring	WiFi	WiFi	WiFi	WiFi
General Data				
Ingress Protection	IP20/IP54	IP20	IP20	IP20
Relative Humidity	5%~95% (Non-condensing)			
Storage Temperature	-15°C~60°C			
Max Operating Altitude	4000m (Derating above 1000m)			
Dimension & Weight				
Product Size (L*W*H)	460*245*1100mm	550*245*1180mm	550*245*1180mm	550*245*1230mm
Package Size (L*W*H)	540*420*1180mm	630*420*1264mm	630*420*1264mm	630*420*1314mm
Net Weight	109kg	147kg	TBD	TBD
Gross Weight	127kg	168kg	TBD	TBD

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