



FLOOR-STAND AIO ESS

Movable
caster-wheel
design



► All-in-One Integrated Design

Battery, inverter and MPPT solar charger integrated into one compact cabinet for easy installation.

► Reliable Home Backup Power

Provides stable power supply for villas, homes and off-grid applications during power outages.

► High-Capacity LiFePO₄ Battery

Equipped with safe and durable lithium iron phosphate battery technology for long service life.

► Efficient Solar Energy Management

Built-in MPPT solar charger maximizes solar energy utilization and improves charging efficiency.

► Pure Sine Wave Output with UPS Function

Delivers stable AC power with fast switching for sensitive household appliances.

► Smart Energy Monitoring

LCD display and WiFi communication enable real-time system monitoring and intelligent management.



Parameter	JSAF350 3.6KW+5KWH	JSAF380 3.6KW+8KWH	JSAF580 5KW+8KWH
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	3.6kW	3.6kW	5kW
Surge Power	5.7kVA	5.7kVA	10kVA
Output Voltage	208 / 220 / 230 / 240VAC		
Power Factor (PF)	1	1	1
Frequency	50/60Hz ±0.1%	50/60Hz ±0.1%	50/60Hz ±0.1%
Switch Time	10ms	10ms	10ms (Normal Mode) / 10ms (UPS Mode)
Wave Form	Pure Sine Wave		
Overload Capacity (Battery Mode)	60s@102%~110%; 10s@110%~130%; 3s@130%~150%; 0.2s@>150%		
Max. Efficiency (Battery Mode)	92.7%@24VDC	92.7%@24VDC	93%@25.6VDC
Solar Charger (PV / AC)			
Solar Charger Type	MPPT	MPPT	MPPT
Max PV Input Current / Power	18A / 5000W	18A / 5000W	18A / 6000W
Operating Voltage Range (VDC)	40~450	40~450	120~450
Max PV Open Circuit Voltage (VDC)	500	500	500
Max PV Charge Current	100A	100A	80A
Max AC Charge Current	100A	100A	80A
Max Charge Current (PV+AC)	100A	100A	80A
Battery			
Nominal Battery Voltage	25.6VDC	25.6VDC	25.6VDC
Rated Energy	5kWh (0.2C, 25°C)	8kWh (0.2C, 25°C)	8kWh (0.2C, 25°C)
Usable Energy (90% DOD)	4.5kWh	7.2kWh	7.2kWh
Max. Charge / Discharge Current	200A / 200A	100A / 150A	75A / 150A
Operation Voltage Range	20VDC~29.2VDC	20VDC~29.2VDC	20VDC~29.2VDC
Operation Temperature	-10°C~+50°C	-10°C~+50°C	-10°C~+50°C
Interface			
Display	LCD	LCD	LCD
Communication	USB	USB	USB
Monitoring	WiFi	WiFi	WiFi
General Data			
Ingress Protection	IP20	IP20	IP20
Relative Humidity	5%~95% (Non-condensing)	5%~95% (Non-condensing)	5%~95% (Non-condensing)
Storage Temperature	-15°C~60°C	-15°C~60°C	-15°C~60°C
Max. Operating Altitude	4000m (Derating above 1000m)	4000m (Derating above 1000m)	4000m (Derating above 1000m)
Dimension & Weight			
Product Size (L*W*H)	440*246*760mm	440*246*760mm	440*246*760mm
Package Size (L*W*H)	890*520*436mm	890*520*436mm	890*520*436mm
Net Weight	50.6kg	69.7kg	70.4kg
Gross Weight	65.1kg	82.8kg	87.6kg

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