



# ASP -Pro 12kW

## Single-Phase Off-grid Solar Storage Inverter

- Compatible with 48V storage batteries
- 2 independent MPPT ports, efficiency up to 99.9%
- Max. Input Current per MPPT 22A
- Max. 63A Bypass Current Input
- Max. support for 6 units parallel
- 2 power supply modes: PV-only, hybrid charging
- External Load Anti-Backflow Protection
- Dual activation function for lithium batteries
- Generator Port with Smart Load Compatibility
- Time-Sharing Charging/Discharging Settings & Energy-Saving Mode
- Independent generator interface
- Aesthetically industrial design appearance

Model	ASP48120S200-Pro		
<b>INVERTER OUTPUT</b>			
Rated Output Power	12000W		
Max. Output Power	24000VA		
Rated Output Voltage	230Vac (Single-phase)		
Load capacity of Motors	6HP		
Rated AC Frequency	50/60Hz		
Waveform	Pure sine wave		
Switch Time	10ms (typical)		
<b>BATTERY</b>			
Battery Type	Li-ion / Lead-acid / User-defined		
Rated Battery Voltage	48Vdc		
Battery Voltage Range	40-60Vdc		
Max. Grid/Generator Charging Current	150Adc		
Max. Hybrid Charging Current	200Adc		
<b>SOLAR INPUT</b>			
No. Of MPPT	2		
Max. PV Array Power	6600W+6600W		
Max. Input Current	22A+22A		
Max. Open Circuit Voltage	500Vdc/500Vdc		
MPPT Voltage Range	125-425Vdc/125-425Vdc		
<b>GRID/GENERATOR INPUT</b>			
Input Voltage Range	90-275Vac		
Input Frequency Range	50/60Hz		
Bypass Overload Current	63A		
<b>EFFICIENCY</b>			
MPPT Tracking Efficiency	99.9%		
Max. Efficiency	92%		

<b>GENERAL DATA</b>			
Parallel Capacity	1~6 Units		
Dimension	620x445x130mm	Noise	<60dB
Weight	27kg	Cooling Method	Built-in fan
Protection Degree	IP20 Indoor Only	Warranty	2 years
Temperature	-10-55°C, >45°C Derate	Communication	RS485/CAN/USB/Dry Contact
External Module (Optional)	Wi-Fi/GPRS		
Certificate	IEC62109-1, IEC62109-2, EN61000-6-1, EN61000-6-3, RoHS		

#### PROTECTION

Has PV input current limiting protection, PV input over-voltage, PV night reverse current protection, AC input over-voltage protection, AC input under-voltage protection, Battery over-voltage protection, Battery under-voltage Protection, Battery over-current protection, AC output short-circuit protection, Heat sink over-temperature protection, Inverter over-load protection.