



APS12000-12000Pro

Single Phase Off-grid Inverter

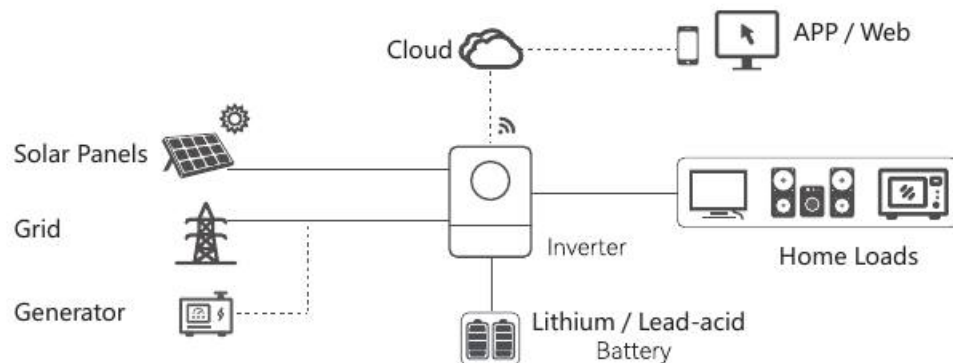
It is applicable to 220/230/240V voltage systems



- Built-in 160A Solar Charger.
- Wide PV Input Voltage Range 60-500V.
- Dual MPPTs Input.
- 45A MAX PV Input.
- Dual AC Output.
- Support Lithium/Lead-acid Battery.
- Lithium Battery Activation.
- 5 Inch Display.
- Feed-in to Grid.
- WiFi Monitoring(built-in).



System Diagram



Technical Data

MODEL	APS12000-48	APS12000 Pro-48
AC Input		
Rated Input Voltage (VAC)	220 / 230 / 240; L + N + PE	
Voltage Range (VAC)	90~280±3 (normal model); 170~280±3 (UPS mode)	
Frequency (Hz)	50 / 60 (Auto Adaptive)	
AC Output		
Rated Capacity (kW)	12	
Surge Power (kVA)	24	
Voltage (VAC)	220 / 230 / 240	
Power Factor (PF)	1	
Frequency	50/60Hz±0.1%	
Switch Time (ms)	10 (APP/UPS mode) / 20 (GEN mode)	
Wave Form	Pure Sine Wave	
Overload Capacity (Battery Mode)	1min:102%~125%Load 10s: 125%Load	
Max. Efficiency (Battery Mode)	94%±48VDC	
Parallel Quantity	NA	Yes
Charger (PV / AC)		
Solar Charger Type	Dual MPPTs	
Max. PV input Current / Input Power	Using One MPPT: 27A/9KW Using Two MPPTs: 27A/Per MPPT, 15kW/Total	
MPPT Range:Operating Voltage (VDC)	60~450	
Max PV Open Circuit Voltage (VDC)	500	
Max PV Charge Current (A)	160	
Max AC Charge Current (A)	160	
Max. Charge Current (PV + AC) (A)	160	
Battery		
Rated Voltage (VDC)	48	
Overcharge Protection (VDC)	60	
Battery Type	Lithium and Lead-acid	
Interface		
HMI	LCD/RGB	
Interface	RS485 / CAN / RS232 / CT(optional)	
Monitoring	WiFi (built-in)	
General Data		
Ingress Protection	IP43	
Warranty	2 years	
Operating Temperature	-10 °C - 60 °C	
Relative Humidity	5% ~ 95% (Non-condensing)	
Storage Temperature	-15 °C ~ 60 °C	
Net Weight (kg)	14.5	
Dimensions (W*H*D)	480*410*120mm	
Max. Operating Altitude	4000m (Derating above 1000m)	

Product specifications are subject to change without further notice.