



APS1200-2000

Single Phase Off-grid Inverter

It is applicable to 208/220/230/240V voltage systems

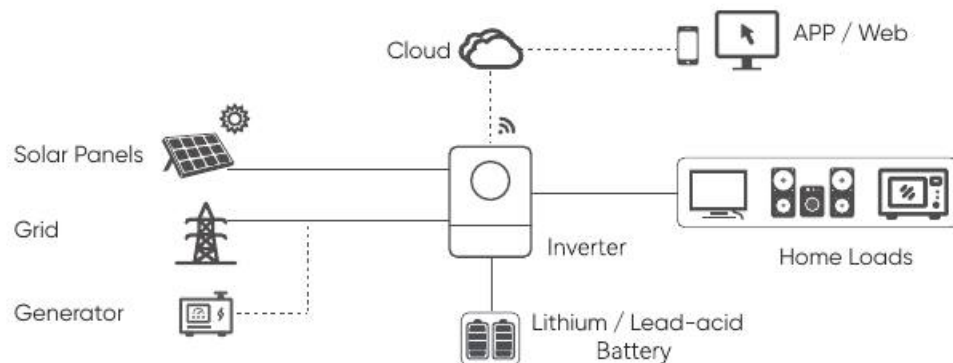


- Built-in 100A Solar Charger.
- Wide PV Input Voltage Range 17~400V.
- Dual AC Output(≥2000W).
- Support Lithium/Lead-acid Battery.
- Lithium Battery Activation.
- Detachable Dust Cover.
- WiFi Monitoring(optional).
- Feed-in to Grid(≥2000W)

SKD
available



System Diagram



Technical Data

MODEL	APS1200-12		APS2000-12	
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)		90~280 (APP/GEN mode); 170~264 (UPS mode)	
Frequency (Hz)	50 / 60 (Auto Adaptive)			
AC Output				
Rated Capacity (kW)	1.2		2.0	
Surge Power (kVA)	2.4		4.0	
Voltage (VAC)	208 / 220 / 230 / 240			
Power Factor (PF)	1			
Frequency	50/60Hz±0.1%			
Switch Time (ms)	10 (APP/UPS/GEN mode)		10 (APP/UPS mode) / 20 (GEN mode)	
Wave Form	Pure Sine Wave			
Overload Capacity (Battery Mode)	60s@102%-120% load; 10s@120%-20% load;		long term@102%-125% load; 10s@125%-250% load	
Max. Efficiency (Battery Mode)	90%@12VDC		91%@12VDC	
Parallel Quantity	NA			
Charger (PV / AC)				
Solar Charger Type	MPPT			
Max PV input current / power	18A / 800W		18A / 3000W	
MPPT Range@Operating Voltage (VDC)	17-115		30-400	
Max PV Open Circuit Voltage (VDC)	115		450	
Max PV Charge Current (A)	50		100	
Max AC Charge Current (A)	50		100	
Max. Charge Current (PV + AC) (A)	100		100	
Battery				
Rated Voltage (VDC)	12		12	
Floating Charge Voltage (VDC)	13.8		Max. Charging Current (A)	100
Overcharge Protection (VDC)	15		Max. Discharging Current (A)	150
Battery Type	Lithium and Lead-acid			
Interface				
HMI	LCD/RGB			
Interface	RS485 / CAN / RS232		RS485 / CAN / RS232 / CT(optional)	
Monitoring	WiFi (Optional)		WiFi (optional/built-in/external)	
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)	3.5		4.5	
Dimensions (W*H*D)	347*236*91mm		331*270*100mm	
Max. Operating Altitude	4000m (Derating above 1000m)			

Product specifications are subject to change without further notice.