



APS1200-2000

Single Phase Off-grid Inverter

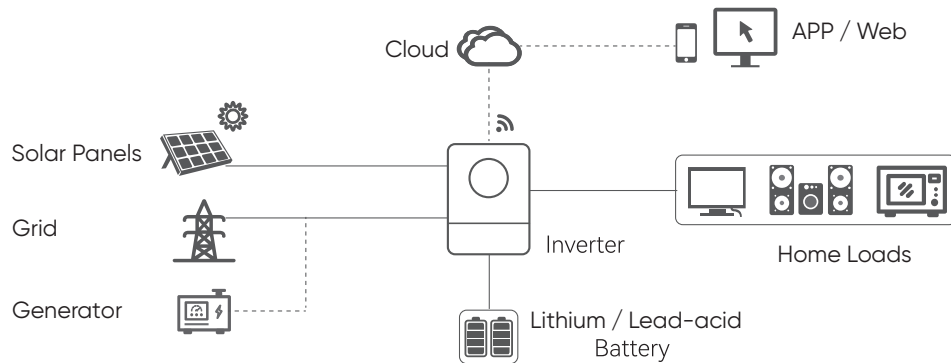
It is applicable to 208/220/230/240V voltage systems



- 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).



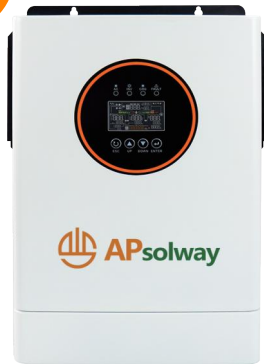
System Diagram



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.



APS3600-5000

Single Phase Off-grid Inverter

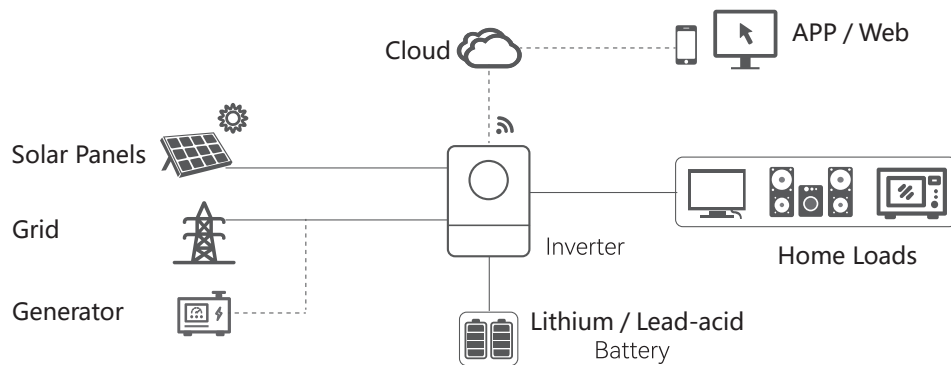
It is applicable to 208/220/230/240V voltage systems



- Built-in 160A Solar Charger.
- Wide PV Input Voltage Range 40~450V.
- 27A MAX PV Input.
- Dual AC Output.
- Support Meter/CT Connection.
- Support Lithium/Lead-acid Battery.
- Lithium Battery Activation.
- Support Generator ATS Control.
- Feed-in to Grid.
- WiFi Monitoring(optional/built-in).



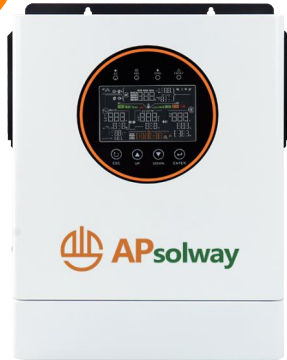
System Diagram



Technical Data

MODEL	APS3600-24	APS5000-24
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 Capacity (kW)	3.6	5
Surge Power (kVA)	7.2	10
Voltage (VAC)	208 / 220 / 230 / 240	
Power Factor (PF)	1	
Frequency	50/60Hz±0.1%	
Switch Time (ms)	10 (APP/UPS mode) / 20 (GEN mode)	10 (normal mode) / 10 (UPS mode)
Wave Form	Pure Sine Wave	
Overload Capacity (Battery Mode)	60s@102%-110% load; 10s@110%-130% load; 3s@130%-150% load; 0.2s@>150% load	1min@102%-120%load, 10s>120% load
Max. Efficiency (Battery Mode)	92.7%@24VDC	93.5%@24VDC
Parallel Operation Support	NA	
Charger (PV / AC)		
Solar Charger Type	MPPT	
Max PV input current / power	18A / 5000W	27A / 9000W
MPPT Range@Operating Voltage (VDC)	40~450	60~450
Max PV Open Circuit Voltage (VDC)	500	500
Max PV Charge Current (A)	100	160
Max AC Charge Current (A)	100	160
Max. Charge Current (PV + AC) (A)	100	160
Battery		
Rated Voltage (VDC)	24	24
Floating Charge Voltage (VDC)	27	27
Overcharge Protection (VDC)	30.5	30.5
Battery Type	Lithium and Lead-acid	
Interface		
HMI	LCD/RGB	
Interface	RS485 / CAN / RS232	RS485 / CAN / RS232
Monitoring	WiFi (Optional)	WiFi (optional)
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)	6.2	8.4
Dimensions (W*H*D)	420*284*94mm	410*336*110mm
Max. Operating Altitude	4000m (Derating above 1000m)	

Product specifications are subject to change without further notice.



APS6500-6500Pro

Single Phase Off-grid Inverter

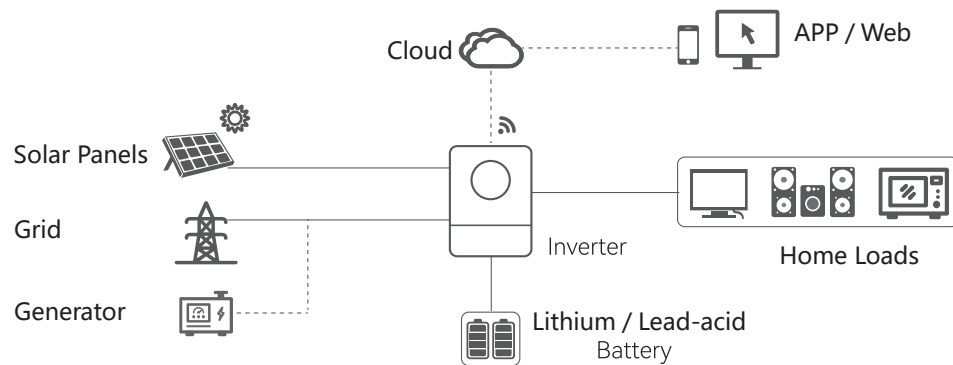
It is applicable to 208/220/230/240V voltage systems



- Built-in 120A Solar Charger.
- Wide PV Input Voltage Range 60~450V.
- 28A MAX PV Input.
- Dual AC Output.
- Support Meter/CT Connection.
- Support Lithium/Lead-acid Battery.
- Lithium Battery Activation.
- Support Generator ATS Control.
- Feed-in to Grid.
- WiFi Monitoring(optional/built-in).



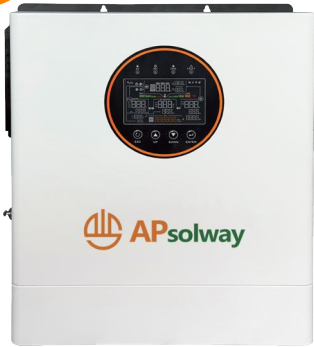
System Diagram



Technical Data

MODEL	APS6500-48	APS6500 Pro-48
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 Capacity (kW)	6.5	
Surge Power (kVA)	13	
Voltage (VAC)	208 / 220 / 230 / 240	
Power Factor (PF)	1	
Frequency	50/60Hz±0.1%	
Switch Time (ms)	10 (normal mode) / 10 (UPS mode)	
Wave Form	Pure Sine Wave	
Overload Capacity (Battery Mode)	10min@102%~120% Load, 1min@120%~150% Load 10S@150%~200% Load, 5s@>200% Load	
Max. Efficiency (Battery Mode)	93%@48VDC	
Parallel Operation Support	NA	Yes
Charger (PV / AC)		
Solar Charger Type	MPPT	
Max PV input current / power	28A / 9000W	
MPPT Range@Operating Voltage (VDC)	60~450	
Max PV Open Circuit Voltage (VDC)	520	
Max PV Charge Current (A)	120	
Max AC Charge Current (A)	120	
Max. Charge Current (PV + AC) (A)	120	
Battery		
Rated Voltage (VDC)	48	
Floating Charge Voltage (VDC)	54	
Overcharge Protection (VDC)	61	
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 - 50 °C	
Relative Humidity	5% ~ 95% (Non-condensing)	
Storage Temperature	-15 °C - 60 °C	
Net Weight (kg)	10.7	
Dimensions (W*H*D)	514*338*136.5mm	
Max. Operating Altitude	4000m (Derating above 1000m)	

Product specifications are subject to change without further notice.



APS12000-12000Pro

Single Phase Off-grid Inverter

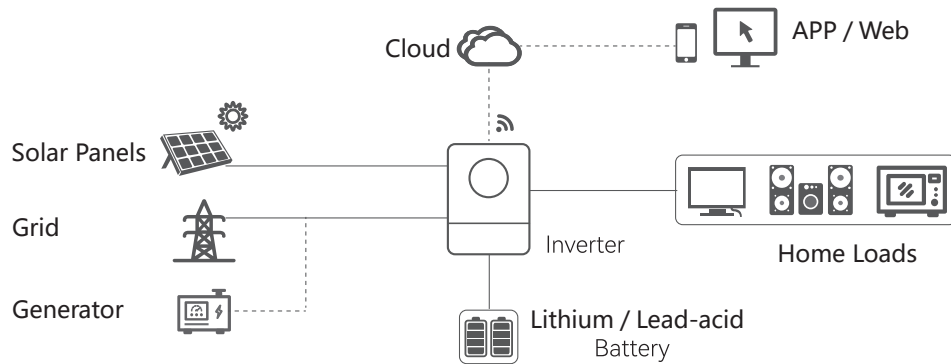
It is applicable to 220/230/240V voltage systems



- 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 mode); 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.