



SKD
available

APS3600-5000

Single Phase Off-grid Inverter

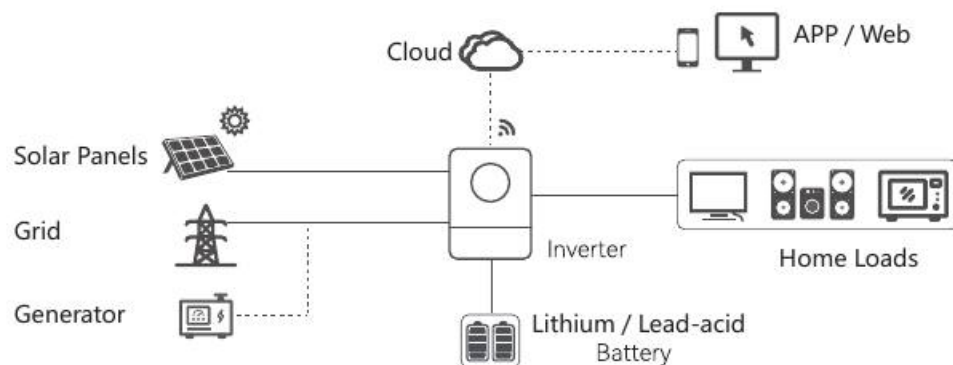
It is applicable to 208/220/230/240V voltage systems



- 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.