

OFF GRID SOLAR INVERTER

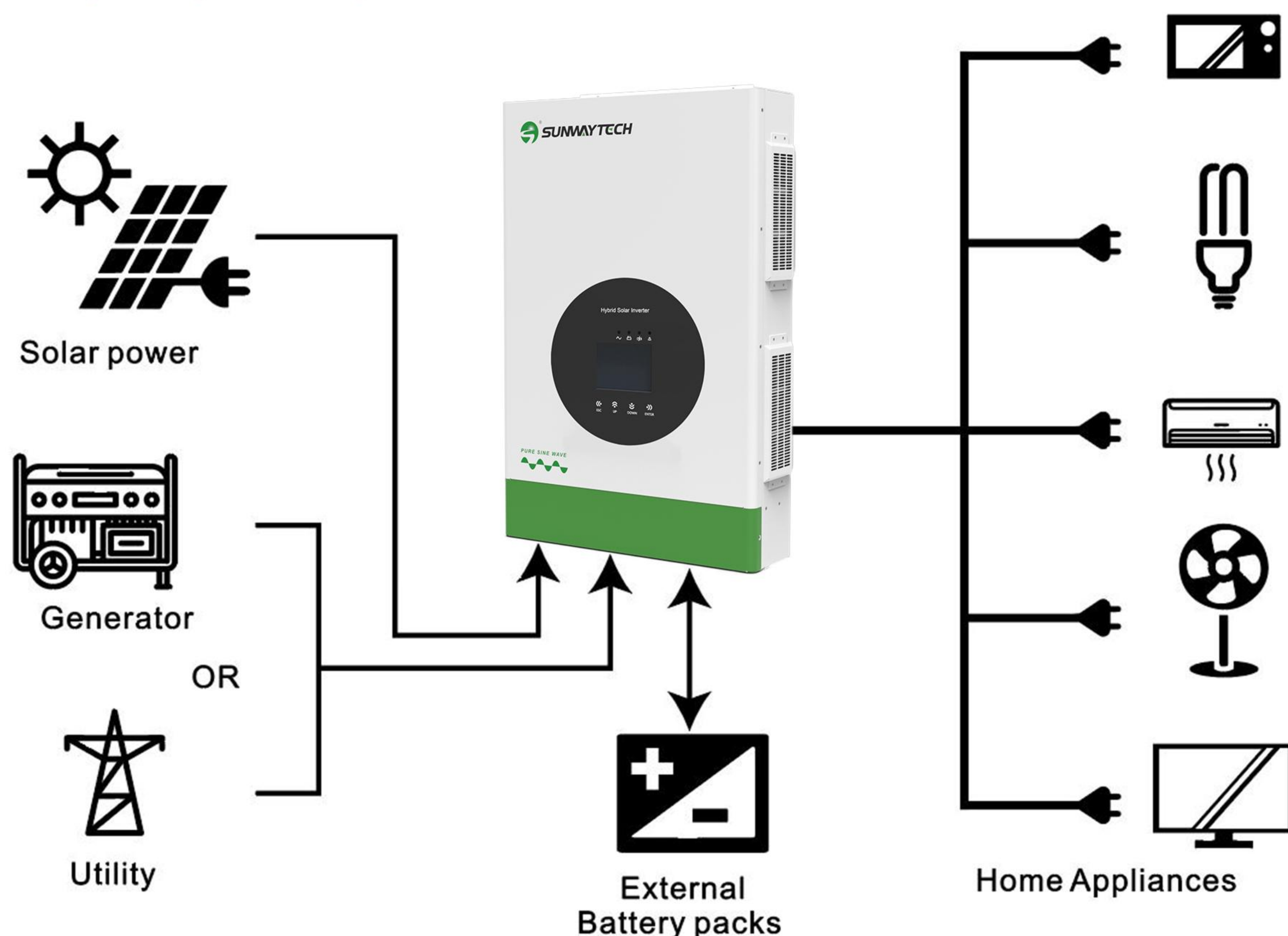
—SK-10000P-48L



► MAIN FEATURES

- Pure sine wave inverter
- Configurable input voltage range for home appliances and personal computers via LCD setting
- Configurable battery charging current based on applications via LCD setting
- Configurable AC/Solar Charger priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload/Overtemperature/Short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function

► APPLICATION DIAGRAM



► PARAMETERS

Model	SK-10000P-48L
Capacity	10kVA/10kW
Parallel Capability	Up to 4 units
Input	
Input Sources	L+N+PE
Rated Input Voltage	208/220/230/240Vac
Voltage Range	90~280Vac ± 3V(APP Mode), 170~264Vac ± 3V(UPS Mode)
Frequency	50Hz/60Hz(Auto Adaptive)
Output	
Output Voltage	208/220/230/240Vac ± 5%
Output Frequency	Line Mode: 50Hz: (43.5~56.5)Hz(UPSMode), (40~70)Hz(APPMode) 60Hz: (53.5~66.5)Hz(UPSMode), (40~70)Hz(APPMode) Battery Mode: 50/60Hz ± 0.1%
Wave Form	Pure sine wave
Transfer Time(Adjustable)	20ms(Typical)
Peak Power	20kVA
Overload Ability	Battery Mode: 1min@102%~110%Load 10s@110%~130%Load 3s@130%~150%Load 200ms@>150%Load
Peak Efficiency(Battery Mode)	>94%
Battery	
Battery Voltage	48Vdc
Constant Charging Voltage (Adjustable)	51.75Vdc(Adjustable)
Chargers	
PV Charging Mode	MPPT
Max PV Input Power	6000W*2
Max PV Input Current	18A*2
MPPT Tracking Range	120~450Vdc
Max PV Input Voltage	500Vdc
Best Open Circuit Voltage Range	370~430Vdc
Best Voltage	300~340Vdc
Max PV Charging Current	100A*2
Max AC Charging Current	160A
Max Charging Current	200A
Display	
LCD Display	Display Running Mode/Loads/Input/Output etc.
Interface	
Communication Port	WiFi/USB/CAN(RS485)
Environment	
Operating Temperature	0~40°C
Humidity	20%~95%(No Condensing)
Storage Temperature	-15~60°C
Altitude	No derating below 1000m, derating for 1% every 100m from 1000m to 4000m