



3200W MPPT HYBRID INVERTER

Output Voltage: 230Vac± 5%

80A MPPT

Solar Charge Controller
MAX. Charge Current: 80A

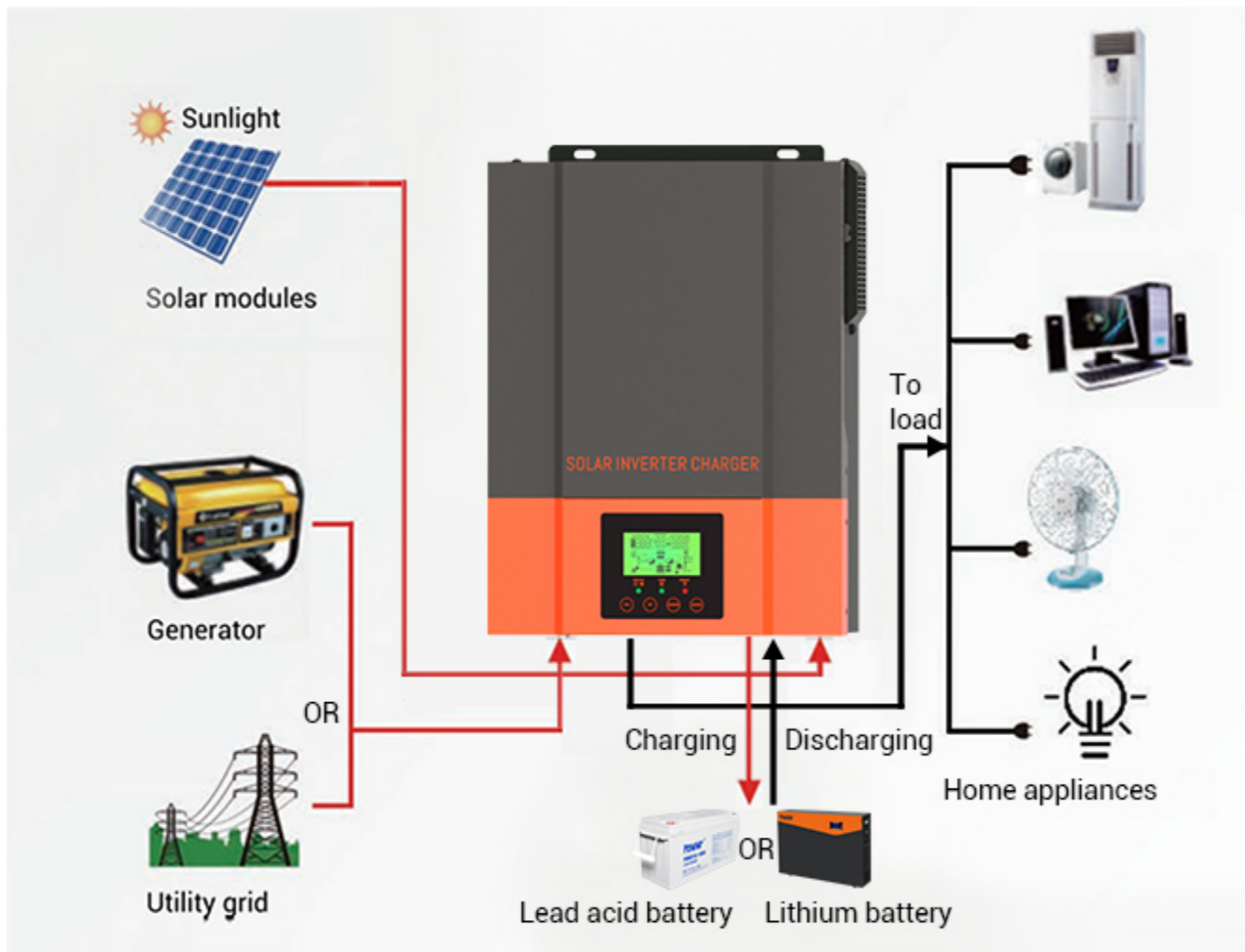
3000W

MAX. PV Array Power

450VDC

Max. PV Array Open Circuit

System Diagram



Technical Specification for Selection Guide

INVERTER MODEL	1.5KW 12V	2.4KW 24V	3.2KVA/3KW 24V
Rated Output Power	1.5KW	2.4KW	3200VA/3000W
Output Voltage Waveform	Pure Sine Wave		
Output Voltage Regulation	230Vac±5%		
Utility Charging Mode			
INVERTER MODEL	1.5KW 12V	2.4KW 24V	3.2KVA/3KW 24V
Charging Algorithm	3-Step		
AC Charging Current (Max)	60 Amp		
Bulk Charging Voltage			
Flooded Battery	14.6	29.2	
AGM / Gel Battery	14.1	28.2	
Floating Charging Voltage	13.5Vdc	27.0Vdc	
MPPT Solar Charging Mode			
INVERTER MODEL	1.5KW 12V	2.4KW 24V	3.2KVA/3KW 24V
Max. PV Array Power	2000W	3000W	3000W
Nominal PV Voltage	240Vdc		
PV Array MPPT Voltage Range	90~430Vdc		
Max. PV Array Open Circuit Voltage	450Vdc		
Max Charging Current (AC charger+solar charger)	80Amp		
INVERTER MODEL	1.5KW 12V	2.4KW 24V	3.2KVA/3KW 24V
Safety Certification	CE		
Operating Temperature Range	-10°C to 50°C		
Storage temperature	-15°C~ 60° C		
Humidity	5% to 95% Relative Humidity (Non-condensing)		
Input Voltage Waveform	Sinusoidal (utility or generator)		
Nominal Input Voltage	230Vac		
Low Loss Voltage	170Vac±7V (UPS); 90Vac±7V (Appliances)		
Low Loss Return Voltage	180Vac±7V (UPS); 100Vac±7V (Appliances)		
High Loss Voltage	280Vac±7V		
High Loss Return Voltage	270Vac±7V		
Max AC Input Voltage	300Vac		
Nominal Input Frequency	50Hz/ 60Hz (Auto-detection)		
Low Loss Frequency	40±Hz		
Low Loss Return Frequency	42±Hz		
High Loss Frequency	65±Hz		
High Loss Return Frequency	63±Hz		
Output Short Circuit Protection	Circuit Breaker		
Efficiency (Line Mode)	>95% (Rated R load, battery full charged)		
Transfer Time	10ms typical (UPS); 20ms typical (Appliances)		
INVERTER MODEL	1.5KW 12V	2.4KW 24V	3.2KVA/3KW 24V
Output Frequency	50Hz/ 60Hz (Auto-detection)		
Peak Efficiency	91%		94%
Overload Protection	5s@ >150% lo ad; 10s@ 110% ~ 150% lo ad		
Surge Capacity	2* rated power for 5 seconds		
Nominal DC Input Voltage	12Vdc	24Vdc	
Cold Start Voltage	11.5Vdc	23.0Vdc	
Low DC Warning Voltage			
@ lo ad < 50>%	11.0Vdc	22.0Vdc	
@ load >50%	10.5Vdc	21.0Vdc	
Low DC Warning Return Voltage			
@ load < 50%	11.5Vdc	22.5Vdc	
@ load >50%	11.0Vdc	22.0Vdc	