



Key Features



HIGH PV INPUT



SMART BATTERY
MANAGEMENT



REMOTE MONITORING



DUAL SMART OUTPUT



ON-GRID & OFF-GRID



COMPREHENSIVE
PROTECTION

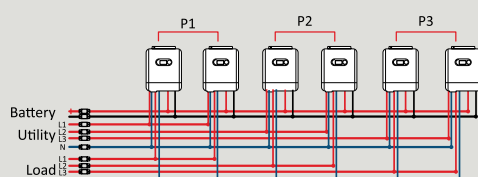
WITH BATTERY CONNECTED



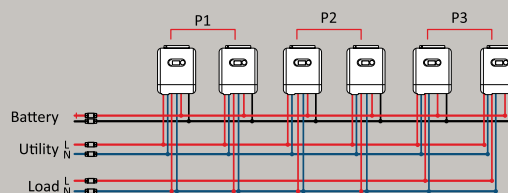
WITHOUT BATTERY CONNECTED



Three phase output using either 3 units (18kW) or max 6 units (36kW)



Single phase output up to 36kW using 6 units



PRODUCT SPECIFICATIONS

MODEL NAME	5KVA / 4000W	7.5KVA / 6000W	10KVA / 8000W	12.5KVA / 11000W
AC INPUT				
AC Voltage	230VAC			
Voltage Range	170-280VAC (For Personal Computers), 90-280VAC (For Home Appliances)			
Frequency Range	50 / 60Hz (Auto Sensing)			
AC OUTPUT				
Surge Power	8000VA	12000VA	16000VA	22000VA
AC Voltage Regulation (Battery Mode)	230VAC + / -- 5%			
Rated Frequency	50Hz / 60Hz			
Efficiency (Peak)	93%			
Transfer Time	10ms (For Personal Computer), 20ms (For Home Appliances)			
BATTERY				
Battery Voltage	24 VDC	48 VDC		
Floating Charge Voltage	27 VDC	54 VDC		
Overcharge Protection	33 VDC	63 VDC		
Battery Type	Lithium / Lead acid			
SOLAR CHARGER & AC CHARGER				
Maximum PV Array Open Voltage (V)	500 VDC			
Maximum PV Array Power	5000Wp	7000Wp	10kWp (5kW*2)	13KWp (6.5KW*2)
MPPT Voltage Range (V)	60-450 VDC			
Maximum Input Current	20A	27A	27A*2 (Max. 40A)	
MPPT Tracker / Strings	1		2	
Maximum Solar Charge Current	120A		120A	150A
Maximum AC Charge Current	100A		120A	150A
Maximum Charge Current	120A		120A	150A
PROTECTION & FEATURE				
AC Over Current	Yes			
AC Over Voltage	Yes			
AC Temperature Protection	Yes			
Smart Load Management	Yes			
On Grid	Yes			
Parallel Function	Yes (Optional)			
GENERAL PARAMETERS				
Operation Temperature	-10°C to 50°C			
Relative Humidity	5% - 95% (Non-condensing)			
Altitude	(2000m Derating)			
Dimensions DxWxH (mm)	466x313x136.5		541x480x400	136*440* 540
Net Weight (Kg)	9.0	10	18.5	19.4
Display	Touch Buttons			
Interface	Standard; RS232, USB, CAN&RS485; Optional: WiFi, Bluetooth			
Safety Standard	EN / IEC62109-1, EN / IEC62109-2			

