



## PRONTO RENEWABLES ENERGY PVT LTD



### PRONTO 3.6KW SINGLE PHASE HYBRID INVERTER AMBER SERIES - SPECIFICATIONS

INVERTER RATING (KVA)	3.6KW
BATTERY VOLTAGE	24V
DESIGN	HIGH FREQ. TRANSFORMERLESS BASED DESIGN
USP OF THE PRODUCT	LITHIUM COMPATIBLE READY FOR LITHIUM, LITHIUM BATTERY AUTO-RESTART FUNCTION, INTELLIGENT POWER SUPPLY MODE, BMS FUNCTION FOR LITHIUM BATTERY
LITHIUM COMPATIBLE (LITHIUM SPECIAL)	MORE CONVENIENT FOR LITHIUM BATTERY CHARGING
SOLAR CHARGE CONTROLLER	TECHNOLOGY-MPPT/VOC RANGE 60-500Vdc/MAX. 120Amp
<b>A SOLAR CHARGE CONTROLLER</b>	
1 Charger Type & Topology	MPPT
2 Max PV Input Power	6500W
3 MPPT Input Voltage Range	60-500Vdc
4 Optimal Vmp Range	300-400Vdc
5 Max PV Input Voltage	500Vdc
6 Max PV Input Current	27A
7 Max PV Charging Current	120A
8 Max AC Charging Current	100A
9 Max Charging Current	120A
<b>B AC INPUT/OUTPUT VOLTAGE</b>	
1 No. of Phases/Connection Type	1Phase/2 wires
2 AC Input	220VAC/110VAC
3 Input Voltage Range	90-280VAV±3V (Normal Mode) 170-280VAV±3V (UPS Mode)
4 Input Frequency	50/60Hz ±5%
5 Rated Power	4000W
6 PV Inverter Output Power	4500W
7 Output Voltage	220/230/240VAC ±5%
8 Output Frequency	50/60Hz±0.1%
9 Output Wave	Pure Sine Wave
10 Transfer Tim	≤ 10ms (UPS) / ≤20ms (INV)
11 Peak Power	8000VA
12	105-150% - 11 sec
13 Overload Ability (Battery Mode)	150-200% - 2 sec
14	>200% - 400msec
<b>C GRID CONNECTED OPERATION</b>	
1 Output Voltage	220/230/240VAC
2 Grid Voltage Range	170-265VAC
3 Grid Frequency Range	49-51±1Hz / 59-61±1Hz
4 Rated Output Current	17.4A
5 Power Factor Range	>0.99
6 (DC/AC)Peak Efficiency (DC/AC)	98%
<b>D USER INTERFACE</b>	
1 DISPLAY INTERFACE	LCD Interface: Can display operating mode/load/input/output
2 Communication	
1 RS232	Baud Rate 2400
2 Expansion Slot Communication Interface	WIFI, Lithium Battery BMS Communication Card, Wifi / Pitch2.54mm
3 Max PV Input Voltage	Not Support Parallel
3 Ambient Temperature	
1 Operating Temperature	-10°C~50°C
2 Operating Environment Humidity	-10°C~60°C
3 Storage Temperature	20%~90% Non Condensing
4 Noise	≤ 50dB
<b>USP</b>	
Lithium Battery Auto restart Function	Utility Charging Voltage/Pv Charging Voltage Adjustable
Intelligent Power supply mode	Match Different Battery Charging Requirements
Energy Conservation/Environmental Protection/Electricity Saving/Cost Saving	Battery Reverse Connection Protection With Fuse Switch, Safer Installation
Convenient Installation and Transportation	High Efficiency, Lower Consumption
Intelligent Distribution of Solar Panel/Mains/Battery Power Shares	Support working without Battery: Reduce Solar System Cost
Communication Option: External Wifi, Supervise at Any Time	BMS function for lithium Battery
<b>Note:</b>	
The specifications & Design are subject to change due to continuous improvements.	