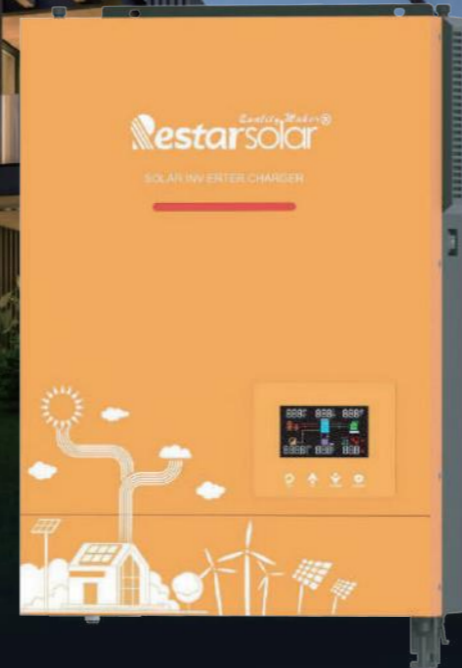


RT- HY SERIES 6.2KW

ON/OFF GRID HYBRID INVETER



140A
MAX PV
CHARGING

PURE
SINE WAVE

WORKS
WITH AND WITHOUT
BATTERY

BUILT IN
ANTI DUST
KIT



Working mode

- off grid
- on grid

RGB lighting for different working mode

- RGB automatically switches with the working mode of the inverter:

Red-Battery Mode **Blue-Utility Mode** **Purple-PV Mode**
Battery mode: red; Utility mode: blue; PV mode: purple;

Features

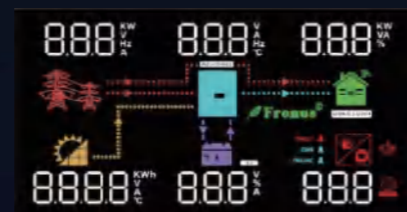
Pure sine wave solar inverter(on/off Grid)
Output power factor 1.0
WIFI&GPRS available for IOS and Android
Inverter running without battery
One-click restoration to factory Settings

Built-in 120A(for 3.6KW/6.2KW)/140A(for 4.2KW)
MPPT (Max 6500W) solar charge
High PV input voltage range(90~500VDC)
Built-in anti-dusk kit for harsh environment
Smart battery charge design to optimize battery life
Built-in Lithium battery automatic activation

WIFI & GPRS available for ios and Andriod LCD Display



WIFI-APP



LCD DISPLAY

Product Data Sheet

MODEL	RT-HY6.2KW-48P1
Phase	1-phase
Maximum PV Input Power	6500W
Rated Output Power	6200W
Maximum Solar Charging Current	120A
GRID-TIE OPERATION	
PV Input(DC)	
Nominal DC Voltage/Maximum DC Voltage	360VDC/500VDC
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC
MPPT Voltage Range	90VDC~450VDC
Number of MPPT Trackers/Maximum Input Current	1/27A
GRID OUTPUT(AC)	
Nominal Output Voltage	200/230/240VAC
Output Voltage Range	195.5~253VAC
Nominal Output Current	27.0A
Power Factor	>0.99
Feed-in Grid Frequency Range	49~51±1Hz
EFFICIENCY	
Maximum Conversion Efficiency(DC/AC)	97%
OFF-GRID OPERATION	
AC INPUT	
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC
Acceptable Input Voltage Range	90-280VAC or 170-280VAC
Maximum AC Input Current	40A
Nominal operating frequency	50/60Hz
Surge power	13000VA
PV INPUT(DC)	
Maximum DC Voltage	500VDC
MPPT Voltage Range	90VDC~450VDC
Number of MPPT Trackers/Maximum Input Current	1/27A
BATTERY MODE OUTPUT(AC)	
Nominal Output Voltage	48VDC
Output Waveform	Pure sine wave
Efficiency(DC to AC)	94%
BATTERY & CHARGER	
Nominal DC Voltage	48VDC
Maximum Solar Charging Current	120A
Maximum AC Charging Current	100A
GENERAL	
PHYSICAL	
Dimension,D x W x H(mm)	420*310*110
Net Weight(kgs)	11
INTERFACE	
Communication Port	RS232/WIFI/BMS
ENVIRONMENT	
Humidity	0~90%
Operating Temperature	-10to50°C

