



## ON/OFF GRID SOLAR INVERTER

THON-4.2KW-01/THON-6.2KW-01

### PRODUCT FEATURES

- Pure sine wave solar inverter(on/off Grid)
- Output power factor 1.0
- WIFI&GPRS available for IOS and Android
- Inverter can run without battery
- One-key restoration to factory Settings
- Dual communication ports for Battery communication and Wifi communication
- High PV input voltage range (60-500vDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output



## Product Data Sheet

MODEL	THON-4.2KW-01	THON-6.2KW-01
<b>INVERTER CHARGER</b>		
model name	4200KW	6200KW
Operating Temperature Range	-10~50°C	-10~50°C
<b>PV INPUT</b>		
Nominal Operating Voltage	240VDC	240VDC
Vmax PV	500VDC	500VDC
PV Input Voltage Range	60-450VDC	60-450VDC
Imax PV	18A	22A
Full Load MPPT Range	240-450VDC	240-450VDC
Maximum PV Input Power	4200W	6200W
Maximum Solar Charging Current	120A	120A
<b>AC OUTPUT</b>		
Nominal Output Voltage	220/230/240VAC	220/230/240VAC
Nominal Output Current	18.2A	27.0A
Power Factor Rang	>0.99	>0.99
Maximum Conversion Efficiency(DC/AC)	97%	97%
Nominal Operating Frequency	50/60Hz	50/60Hz
<b>TWO LOAD OUTPUT POWER</b>		
Full Load	4200W	6200W
Maximum Main Load	4200W	6200W
Maximum Second Load	1400W	2066W
Main Load Cut Off Voltage	26VDC	52VDC
Main Load Return Voltage	27VDC	54VDC
<b>AC INPUT</b>		
Nominal operating voltage	230VAC	230VAC
Maximum input current	30A	40A
Nominal operating frequency	50/60Hz	50/60Hz
Surge power	8400VA	12400VA
Maximum AC Charging Current	100A	100A
<b>BATTERY</b>		
Battery voltage	24VDC	48VDC
Maximum battery current	175A	125A