



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
- Built-in Lithium battery automatic activation
- 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
INVERTER CHARGER		
model name	4200KW	6200KW
Operating Temperature Range	-10~15℃	-10~50℃
PV INPUT		
Nominal Operating Voltage	240VDC	240VDC
Vmax PV	500VDC	500VDC
PV Input Voltage Range	60-450VDC	60-450VDC
I _{max} PV	18A	22A
Full Load MPPT Range	240-450VDC	240-450VDC
Maximum PV Input Power	4200W	6200W
Maximum Solar Charging Current	120A	120A
GRID/AC OUTPUT		
Nominal Output Voltage	220/230/240VAC	220/230/240VAC
Feed-in Grid Voltage Range	195-253VAC	195-253VAC
Feed-in Grid Frequency Range	49~51±1Hz	49~51±1Hz
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
TWO LOAD OUTPUT POWER		
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
AC INPUT		
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
BATTERY		
Battery voltage	24VDC	48VDC
Maximum battery current	175A	125A