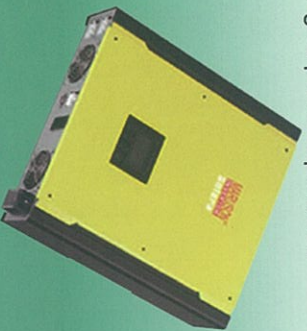


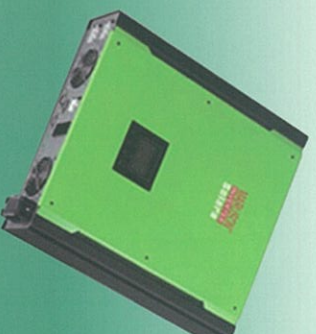
Solara Standalone Series

- 2KW ~ 3KW solar inverter
- DSP and microprocessor controlled for high reliability
- Pure sine wave output
- Built-in MPPT tracker
- LCD display panel for comprehensive information
- RS-232 and USB communication ports
- Generator compatible
- User-adjustable charging current (up to 25A)
- 95.5% of solar panel to AC output peak efficiency
- 92% of battery to AC output peak efficiency
- Optional on-grid power operation



Solara Hybrid Series

- 3KW solar hybrid inverter
- Pure sine wave output
- Microprocessor controlled for high reliability
- Multiple operations: grid-tie, off-grid, grid-tie with backup
- Built-in MPPT solar charger
- LCD display panel for comprehensive information
- RS-232 and RS-485 communication ports
- Generator compatible
- User-adjustable charging current (up to 25A)



SERIES	SOLARA STANDALONE		SOLARA HYBRID	
MODEL	INV-STD2KW	INV-STD3KW	INV-STD3KW	INV-SOL3KW
Rated Power	2000W			3000W
PV INPUT (DC)		500 Vdc		
Maximum DC Voltage		500 Vdc		500 Vdc
Work Voltage Range	170 ~ 450 Vdc	250 ~ 450 Vdc		250 ~ 450 Vdc
MPPT Voltage Range		360 Vdc		
DC Nominal Voltage		13A		
Maximum Input Current				
GRID/UTILITY INPUT (AC)				
AC Voltage	100/110/120/127 Vdc	208/220 Vac	230/240 Vac	220 Vac
Acceptable Voltage Range	85~145 Vac	175~265 Vac	175~280 Vac	170 ~ 280 Vac
Acceptable Frequency Range	57.5 ~ 62.5 Hz	47.5 ~ 52.5 Hz		n/a
Maximum Input Current	25A			20A
GRID OUTPUT (AC)				
Nominal AC Voltage / Range		n/a		220 Vac / 184 ~ 265 Vac
Maximum Feeding Power		n/a		3000W
AC Grid Frequency Range		n/a		47.5 ~ 50.2 Hz
Nominal Output Current		n/a		13A
Power Factor		n/a		> 0.99
BATTERY MODE OUTPUT (AC)				
Output Voltage	100/110/120/127 Vdc	208/220/230/240 Vac		220 Vdc
Output Frequency	60 Hz			50 Hz
Output Waveform		pure sine wave		
THDv		< 3% at linear load		
Power Factor		> 0.99		
Efficiency (DC to AC)	90%	92%		90%
Overload Capability				>110%: 30 seconds / >300%: immediately shutdown
BATTERY & CHARGER				
Nominal DC Voltage		48 Vdc		
Maximum Charging Current		25 A		
PHYSICAL				
Net Weight (w/o battery) (lb/kg)		420 x 415 x 170 mm / 16.5 x 16.3 x 6.7 in		
Dimension (D*W*H) (in/mm)		15.5 kg / 34.1 lb		
INTERFACE				
Communication Port	RS-232 / USB			RS-485 / RS-232
Intelligent Slot	Optional SNMP card, Modbus card, GPRS, or AS-400			
OPERATING ENVIRONMENT				
Operating Temperature	-25~40°C			-25 ~ 60°C
Relative Humidity	0~90% relative humidity (non-condensing)			
Altitude	0~1000 m*			

*Power derates at 1% per 100m when altitude is above 1000m.