

Premium series

GAMMA 6KW

- Pure sine wave output & Dual AC output
- Self-consumption and Feed-in to the grid
- Built-in MPPT solar charger
- Programmable supply priority for PV, Battery or Grid
- User-adjustable charging current and voltage
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- Detachable LCD panel
- Built-in WiFi for mobile monitoring (APP is available)
- Supports USB on-the-go function
- Reserve BMS communication
- Parallel operation up to 9 units



Model Name	GAMMA 6K
Model Number	ONY-I-G6-48
Power Rate	
Maximum PV Input Power	6000W
Rated Output Power	6000W
GRID-TIE OPERATION / PV input DC	
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	120VDC / 150 VDC
MPP Voltage Range	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27A
GRID-TIE OPERATION / GRID OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output voltage range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)
Nominal Output Current	26A
GRID-TIE OPERATION / EFFECIENCY	
Maximum Conversion Efficiency (DC/AC)	95%
OFF-GRID OPERATION / AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC
Frequency Range	50 Hz/60 Hz (Auto sensing)
Maximum AC Input Current	40 A
OFF-GRID OPERATION / PV INPUT (DC)	
Maximum DC Voltage	500 VDC
MPP Voltage Range	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27A
OFF-GRID OPERATION / BATTERY MODE OUTPUT (AC)	
BATTERY MODE OUTPUT (AC)	220/230/240 VAC
Output Waveform	Pure sine wave
Efficiency (DC to AC)	93%
HYBRID OPERATION / PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	120VDC / 150 VDC
MPP Voltage Range	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27A
HYBRID OPERATION / GRID OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)
Nominal Output Current	26A
HYBRID OPERATION / AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC
Maximum AC Input Current	40A
HYBRID OPERATION / Battery mode OutPUT	
Nominal Output Voltage	220/230/240 VAC
Efficiency (DC to AC)	93%
HYBRID OPERATION / BATTERY & CHARGER	
Nominal DC Voltage	48V
Maximum Solar Charging Current	120A
Maximum AC Charging Current	120A
Maximum Charging Current	120A
General / Physical	
Dimentions D x W x H (mm)	140 x 295 x 468
Net weight	14 KG
General / Interface	
Parallel funiction	Built in Parallel kit up to 9 units
Communication port	USB, RS-232, Dry Contact and WiFi
General / ENVIRONMENT	
Humidity	0 ~ 90% RH (No condensing)
Operating Temperature	-10°C to 50°C

Built-IN WiFi

Detachable LCD