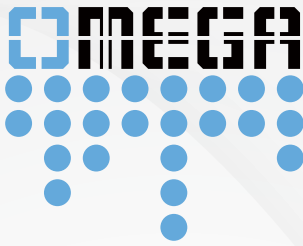


Solar Inverter



Powering Business Worldwide
www.omegapowerus.com



Alfa Infini Plus

Feed-in Grid inverter with Energy Storage at Good Price/Performance

- › Self-consumption and feed-in to the grid
- › Programmable supply priority for PV, Battery or Grid
- › User-adjustable battery charging current suits different types of batteries
- › Programmable multiple operations modes: Grid tie, Off grid, and grid-tie with backup
- › Built-in Timer for various mode of on/off operation
- › Multiple communication for USB, RS-232, Modbus and SNMP
- › Monitoring software for real time status display and control
- › Custom-made firmware by ODM contract
- › Parallel operation up to 6 units



ALFA INFINI PLUS 10KW ON-GRID INVERTER WITH ENERGY STORAGE SELECTION

MODEL ALFA INFINI PLUS 10KW



Phase	3-phase in / 3-phase out
Maximum PV Input Power	14850 W
Rated Output Power	10000 W
Maximum Charging Power	9600 W
GRID-TIE OPERATION	
PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	720 VDC / 900 VDC
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC
MPP Voltage Range	400 VDC ~ 800 VDC
Number of MPP Trackers / Maximum Input Current	2 / 2 x 18.6A
GRID OUTPUT (AC)	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Output Voltage Range	184 - 265VAC* per phase
Nominal Output Current	14.5A per phase
Power Factor	> 0.99
EFFICIENCY	
Maximum Conversion Efficiency (DC/AC)	96%
European Efficiency@ Vnominal	95%
OFF-GRID OPERATION	
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC per phase / 180 VAC per phase
Acceptable Input Voltage Range	170 - 280 VAC per phase
Frequency Range	50 Hz/60 Hz (Auto sensing)
Maximum AC Input Current	40 A
PV INPUT (DC)	
Maximum DC Voltage	900 VDC
MPP Voltage Range	400 VDC ~ 800 VDC
Number of MPP Trackers / Maximum Input Current	2 / 2 x 18.6A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Output Waveform	Pure sine wave
Efficiency (DC to AC)	91%
HYBRID OPERATION	
PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	720 VDC / 900 VDC
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC
MPP Voltage Range	400 VDC ~ 800 VDC
Number of MPP Trackers / Maximum Input Current	2 / 2 x 18.6A
GRID OUTPUT (AC)	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Output Voltage Range	184 - 265 VAC* per phase
Nominal Output Current	14.5 A per phase
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC per phase / 180 VAC per phase
Acceptable Input Voltage Range	170 - 280 VAC per phase
Maximum AC Input Current	40 A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Efficiency (DC to AC)	91%
BATTERY & CHARGER	
Nominal DC Voltage	48 VDC
Maximum Solar Charging Current	Default 60A, 10A - 200A (Adjustable)
GENERAL	
PHYSICAL	
Dimension, D x W x H (mm)	167.2 x 500 x 622
Net Weight (kgs)	40
INTERACE	
Parallel Function	Yes, 6 units
Communication Port	RS-232/USB
ENVIRONMENT	
Humidity	0 ~ 90% RH (No condensing)
Operating Temperature	-10°C to 55°C
Altitude	0 ~ 1000 m**

*These figures may vary depending on different AC voltage and country requirements.

**Power derating 1% every 100 m when altitude is over 1000m.

Product specifications are subject to change without further notice.