

Engrid Super

- 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
- 80A of AC & PV Charger capability
- Support parallel up to 6 units
- PV input power is 50% higher of inverter rating to support more power for batter charging even with full load connected.



Specifications

MODEL	Engrid Super 4KM-48
Phase	1-phase in / 1-phase out
Maximum PV Input Power	5000 W
Rated Output Power	4000 W
Maximum Charging Power	4000 W
GRID-TIE OPERATION	
PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 580 VDC
Start-up Voltage / Initial Feeding Voltage	116 VDC / 150 VDC
MPP Voltage Range	280 VDC ~ 500 VDC
Number of MPP Trackers / Maximum Input Current	1 / 1 x 18 A
GRID OUTPUT (AC)	
Nominal Output Voltage	202/208/220/230/240 VAC
Output Voltage Range	184-264.5 VAC*
Nominal Output Current	17.5 A
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 / 180 VAC
Acceptable Input Voltage Range	170-280 VAC
Maximum AC Input Current	40 A
PV INPUT (DC)	
Maximum DC Voltage	580 VDC
MPP Voltage Range	280 VDC ~ 500 VDC
Number of MPP Trackers / Maximum Input Current	1 / 1 x 18 A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	202/208/220/230/240 VAC
Output Waveform	Pure sinewave
Efficiency (DC to AC)	91%
HYBRID OPERATION	
PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 580 VDC
Start-up Voltage / Initial Feeding Voltage	116 VDC / 150 VDC
MPP Voltage Range	280 VDC ~ 500 VDC
Number of MPP Trackers / Maximum Input Current	1 / 1 x 18 A
GRID OUTPUT (AC)	
Nominal Output Voltage	202/208/220/230/240 VAC
Output Voltage Range	184-264.5 VAC*
Nominal Output Current	17.5 A
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	120-140 VAC / 180 VAC
Acceptable Input Voltage Range	170-280 VAC
Maximum AC Input Current	40A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	202/208/220/230/240 VAC
Efficiency (DC to AC)	91%
BATTERY & CHARGER	
Nominal DC Voltage	48 VDC
Maximum Charging Current	80 A
GENERAL	
PHYSICAL	
Dimension, D x W x H (mm)	117 x 438 x 535
Net Weight (kgs)	16.2
INTERACE	
Communication Port	USB/Dry contact
Intelligent Slot	Optional SNMP, Modbus and AS-400 cards
ENVIRONMENT	
Humidity	0 ~ 90% RH (Non-condensing)
Operating Temperature	0 to 40°C
Altitude	0 ~ 1000 m**

*These figures may vary depending on different AC voltage and country requirements. **Power derating 1% every 100m when altitude is over 1000m. Product specifications are subject to change without further notice.

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Authorised Distributor/ Reseller:

Compatible with:



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