Energrid WP

- **IP65 waterproof and dustproof makes the inverter available for various working conditions.**
- **Built-in WiFi for mobile monitoring (App is available)**
- **150% unbalaned load support**
- **Dual outputs selected as either programmable output or generator input**
- **Buit-in AC coupled function**
- **User-adjustable charging current and voltage**
- **Reserved communication port for BMS (RS485)**
- **Parallel operation up to 6 units**

Specifications

MODEL	Energrid WP 10KM-48	Energrid WP 12KM-48	Energrid WP 15KM-48
MAXIMUM PV INPUT POWER	14500W	16000W	22500W
RATED OUTPUT POWER	10000 W	12000 W	15000 W
MAXIMUM CHARGING POWER	10000 W	12000 W	15000 W
GRID-TIE OPERATION			
PV INPUT (DC)			
Nominal DC Voltage / Maximum DC Voltage	720 VDC / 1000 VDC	720 VDC / 1000 VDC	720 VDC / 1000 VDC
Start-up Voltage / Initial Feeding Voltage		320 VDC / 350 VDC	
MPP Voltage Range	350 VDC ~ 850 VDC	350 VDC ~ 850 VDC	350 VDC ~ 850 VDC
Number of MPP Trackers / Maximum Input Current	2 / A: 26A, B: 13A	2 / A: 26A, B: 26A	2 / A: 26A, B: 26A
Number of Strings Per MPP Tracker	A: 2, B: 1	A: 2, B: 2	A: 2, B: 2
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	17.4 A per phase	21.7 A per phase
Power Factor range		0.9 lag ~ 0.9 lead	
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 - 290 VAC per phase	
Maximum AC Input Current	40 A	40 A	40 A
PV INPUT (DC)			
Maximum DC Power	14500W	16000W	22500W
Maximum DC Voltage	1000 VDC	1000 VDC	1000 VDC
MPP Voltage Range	350 VDC ~ 850 VDC	350 VDC ~ 850 VDC	350 VDC ~ 850 VDC
Number of MPP Trackers / Maximum Input Current	2 / A: 26A, B: 13A	2 / A: 26A, B: 26A	2 / A: 26A, B: 26A
Number of Strings Per MPP Tracker	A: 2, B: 1	A: 2, B: 2	A: 2, B: 2
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%	91%	91%
HYBRID OPERATION			
PV INPUT (DC)			
Maximum DC Voltage	1000 VDC	1000 VDC	1000 VDC
Start-up Voltage / Initial Feeding Voltage		320 VDC / 350 VDC	
MPP Voltage Range	350 VDC ~ 850 VDC	350 VDC ~ 850 VDC	350 VDC ~ 850 VDC
Number of MPP Trackers / Maximum Input Current	2 / A: 26A, B: 13A	2 / A: 26A, B: 26A	2 / A: 26A, B: 26A
Number of Strings Per MPP Tracker	A: 2, B: 1	A: 2, B: 2	A: 2, B: 2
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	17.4 A per phase	21.7 A per phase
AC INPUT			
AC Start-up Voltage / Auto Restart Voltage		120 - 140 VAC / 180 VAC	
Acceptable Input Voltage Range		170 - 290 VAC per phase	
Maximum AC Input Current	40 A	40 A	40 A
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage		230 VAC (P-N) / 400 VAC (P-P)	
Efficiency (DC to AC)	91%	91%	91%
BATTERY & CHARGER			
Battery Voltage Range	40 ~ 62 VDC	40 ~ 62 VDC	40 ~ 62 VDC
Maximum Charging Current	220 A	250 A	300 A
GENERAL			
PHYSICAL			
Dimension, D x W x H (mm)	247 x 500 x 650	255 x 660 x 750	
Net Weight (kgs)	42	70	73
INTERACE			
Communication Port		RS-232, RS-485, USB, CAN and Wi-Fi	
Intelligent Slot		Optional for SNMP and Modbus cards	
ENVIRONMENT			
Humidity		0 ~ 100% RH (Non-condensing)	
Operating Temperature		-25 to 60°C, > 45°C power derating	
Altitude		0 ~ 1000 m**	

*These figures are based on VDE-4105 standard. All 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.

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Authorised Distributor/ Reseller:

Compatible with: Windows, Mac OS, Linux