

# Solar Inverter 12 KW / 15KW



- IP65 waterproof and dustproof makes the inverter available for various working conditions
- Built-in WiFi for mobile monitoring (App is available)
- 150% unbalanced load support
- User-adjustable charging current
- Reserved communication port for BMS (RS485)
- Parallel operation up to 6 units



MODEL	InfiniSolar WP 12KW	InfiniSolar WP 15KW
<b>MAXIMUM PV INPUT POWER</b>	16000 W	22500 W
<b>RATED OUTPUT POWER</b>	12000 W	15000 W
<b>MAXIMUM CHARGING POWER</b>	12000 W	15000 W
<b>GRID-TIE OPERATION</b>		
<b>PV INPUT (DC)</b>		
Nominal DC Voltage / Maximum DC Voltage	720 VDC / 1000 VDC	720 VDC / 1000 VDC
Start-up Voltage / Initial Feeding Voltage		320 VDC / 350 VDC
MPP Voltage Range	350 VDC ~ 950 VDC	350 VDC ~ 950 VDC
Number of MPP Trackers / Maximum Input Current	2 / A: 27A, B: 27A	2 / A: 27A, B: 27A
Number of Strings Per MPP Tracker	A: 2, B: 2	A: 2, B: 2
<b>GRID OUTPUT (AC)</b>		
Nominal Output Voltage		230 VAC (P-N) / 400 VAC (P-P)
Output Voltage Range		184 - 265 VAC per phase
Nominal Output Current	17.4 A per phase	21.7 A per phase
Power Factor range		0.9 lag ~ 0.9 lead
<b>EFFICIENCY</b>		
Maximum Conversion Efficiency (DC/AC)		>96%
European Efficiency@ Vnominal		>95%
<b>OFF-GRID OPERATION</b>		
<b>AC INPUT</b>		
AC Start-up Voltage / Auto Restart Voltage		120 - 140 VAC per phase / 180 VAC per phase
Acceptable Input Voltage Range		170 - 290 VAC per phase
Maximum AC Input Current	40 A	40 A
<b>PV INPUT (DC)</b>		
Maximum DC Power	16000 W	22500 W
Maximum DC Voltage	1000 VDC	1000 VDC
MPP Voltage Range	350 VDC ~ 950 VDC	350 VDC ~ 950 VDC
Number of MPP Trackers / Maximum Input Current	2 / A: 27A, B: 27A	2 / A: 27A, B: 27A
Number of Strings Per MPP Tracker	A: 2, B: 2	A: 2, B: 2
<b>BATTERY MODE OUTPUT (AC)</b>		
Nominal Output Voltage		230 VAC (P-N) / 400 VAC (P-P)
Output Waveform		Pure sine wave
Efficiency (DC to AC)	91%	91%
<b>HYBRID OPERATION</b>		
<b>PV INPUT (DC)</b>		
Maximum DC Voltage	1000 VDC	1000 VDC
Start-up Voltage / Initial Feeding Voltage		320 VDC / 350 VDC
MPP Voltage Range	350 VDC ~ 950 VDC	350 VDC ~ 950 VDC
Number of MPP Trackers / Maximum Input Current	2 / A: 27A, B: 27A	2 / A: 27A, B: 27A
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<b>BATTERY &amp; CHARGER</b>		
Battery Voltage Range	40 ~ 62 VDC	40 ~ 62 VDC
Maximum Charging Current	250 A	300 A
<b>GENERAL</b>		
<b>PHYSICAL</b>		
Dimension, D x W x H (mm)		255 x 660 x 750
Net Weight (kgs)	70	73
<b>INTERFACE</b>		
Communication Port		RS-232, RS-485, USB, CAN and Wi-Fi
Intelligent Slot		Optional for SNMP and Modbus cards
<b>ENVIRONMENT</b>		
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.