

RCT-INFINISOLAR WP 30K-3P

RCT Axpert 30kVA/kW 3 phase Grid Tied weather proof IP65 Pure sine wave Inverter

Product Overview

RCT Axpert 30kVA/kW 3 phase Grid Tied weather proof IP65 Pure Sine Wave Inverter, 40kW PV, BMS & WiFi, 3-phase in / 3-phase out, 40000W Maximum PV Input Power, 350 VDC ~ 900 VDC MPP voltage range, 150% unbalanced load support, User-adjustable charging current up to 80A, Built-In communication Port for BMS (RS485), Parallel operation up to 4 units



Specifications

Overview:

InfiniSolar WP 30KW

3-phase IP65 hybrid solar inverter supports 150% unbalance load

With Ingress protection to IP65, InfiniSolar WP 30kW is suitable for use both in outdoor applications and indoor environments where atmospheric moisture and dust are present. It supports 150% unbalance load and the maximum load is up to 15kw for each phase. This flexibility can facilitate various power consumption in a home environment. With built-In AC coupled function, the existing on-grid system can be easily upgraded and expanded to a hybrid system. InfiniSolar WP 30Kw also offers a second terminal for the users choice as a generator input or a programmable output.

Features:

- 150% unbalanced load support
- Dual outputs selected as either programmable output or generator input
- Built-in AC coupled function
- Built-in WiFi for mobile monitoring (App is available)
- User-adjustable charging current up to 80A
- Wide battery input range
- Built-in communication port for BMS (RS485)
- Parallel operation up to 4 units

Specifications:

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Specifications

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Product Specification Sheet

Product Code	RCT-INFINISOLAR WP 30K-3P
MODEL	InfiniSolar WP 30KW
PHASE	3-phase in/3-phase out
Maximum PV Input Power	40000W
Rated Output Power	30000 W
Maximum Charging Power	30000 W
GRID-TIE OPERATION	
PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	720 VDC / 1000 VDC
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC
Number of MPP Trackers/Max. Input Current	A: 26A, B: 26A, C: 26A
MPP Voltage Range	350 VDC ~ 900 VDC
Number of Strings Per MPP Tracker	A: 2, B: 2, C: 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	43.5 A per phase
Power Factor	0.9 lag ~ 0.9 lead
EFFICIENCY	
Maximum Conversion Efficiency (DC/AC)	96.5%
European Efficiency@ Vnominal	96%
OFF-GRID OPERATION	
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC /180 VAC per phase
Acceptable Voltage Range	170 - 280 VAC per phase
Maximum AC Input Current	50 A
PV INPUT (DC)	
Maximum DC Voltage	1000 VDC
Number of MPP Trackers/Max. Input Current	3 / 26A per MPPT
MPP Voltage Range	350 VDC ~ 900 VDC
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Output Waveform	Pure sine wave

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Product Specification Sheet

Efficiency (DC to AC)	96%
HYBRID OPERATION	
PV INPUT (DC)	
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC
Number of MPP Trackers/Max. Input Current	3 / A: 26A, B: 26A, C: 26A
MPP Voltage Range	350 VDC ~ 900 VDC
Maximum DC Voltage	1000 VDC
GRID OUTPUT (AC)	
Nominal Output Current	43.5 A per phase
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Output Voltage Range	184 - 265 VAC per phase
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC /180 VAC per phase
Acceptable Voltage Range	170 - 280 VAC per phase
Maximum AC Input Current	50 A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Efficiency (DC to AC)	96%
BATTERY & CHARGER	
Maximum Charging Current	80 A
Battery Voltage Range	600 ~ 1000 VDC
GENERAL	
PHYSICAL	
Dimension, D X W X H (mm)	255 x 660 x 750
Net Weight (kgs)	73
INTERFACE	
Communication Port	RS-232, USB, DRY CONTACT, RS-485 and Wi-Fi
Intelligent Slot	Optional SNMP, Modbus and GPRS cards
ENVIRONMENT	
Humidity	0 ~ 100% RH (Non-condensing)
Operating Temperature	-25 to 60 degreesC, > 45 degreesC power derating
Altitude	0 ~ 1000 m

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx.co.za/RCT-INFINISOLAR-WP-30K-3P-RCT-Axpert-30kVA-kW-3-phase-Grid-Tied-weather-proof-IP65-p-275739.php>

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