



RCT INFINISOLAR V4 5.6K-48V

Model Number: RCT-INFINI V4 5.6K48V

- Customizable status LED ring with RGB lights
- Touchable button with 4.3" colored LCD
- Supports USB On-the-Go function
- Data log events stored in the inverter
- Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable charging current and voltage
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- Built-in Wi-Fi for mobile monitoring (App is available)
- Reserved communication port for BMS
- Parallel operation up to 9 units

RATED OUTPUT POWER

5600W

PHASE

1-phase in/1-phase out



MODEL

MAXIMUM PV INPUT POWER:

6000W

MAXIMUM CHARGING POWER:

6000W

GRID-TIE OPERATION

PV INPUT (DC):

NOMINAL DC VOLTAGE / MAXIMUM DC VOLTAGE:

360 VDC / 450 VDC

START-UP VOLTAGE / INITIAL FEEDING VOLTAGE:

110 VDC / 120 VDC

MPP VOLTAGE RANGE:

120 VDC ~ 430 VDC

NUMBER OF MPP TRACKERS /

MAXIMUM INPUT CURRENT:

1 / 27 A



GRID-TIE OPERATION

GRID OUTPUT (AC):
NOMINAL OUTPUT VOLTAGE:
 220 / 230 / 240 VAC
OUTPUT VOLTAGE RANGE:
 184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)
NOMINAL OUTPUT CURRENT: 24.3A
POWER FACTOR: > 0.9
EFFICIENCY:
MAXIMUM CONVERSION EFFICIENCY (DC/AC): 96%

OFF-GRID OPERATION

AC INPUT:
AC START-UP VOLTAGE / AUTO RESTART VOLTAGE: 120 - 140 VAC / 180 VAC
ACCEPTABLE INPUT VOLTAGE RANGE:
 90 - 280 VAC or 170 - 280 VAC
MAXIMUM AC INPUT CURRENT: 40 A
PV INPUT (DC):
MAXIMUM DC VOLTAGE: 450 VDC
MPP VOLTAGE RANGE:
 120 VDC ~ 430 VDC
NUMBER OF MPP TRACKERS / MAXIMUM INPUT CURRENT: 1 / 27 A
BATTERY MODE OUTPUT (AC):
NOMINAL OUTPUT VOLTAGE:
 220 / 230 / 240 VAC
OUTPUT WAVEFORM:
 Pure sine wave
EFFICIENCY (DC TO AC):
 93%

HYBRID OPERATION

PV INPUT (DC):
NOMINAL DC VOLTAGE / MAXIMUM DC VOLTAGE: 360 VDC / 450 VDC
START-UP VOLTAGE / INITIAL FEEDING VOLTAGE: 110 VDC / 120 VDC
MPP VOLTAGE RANGE: 120 VDC ~ 430 VDC
NUMBER OF MPP TRACKERS / MAXIMUM INPUT CURRENT: 1 / 27 A
GRID OUTPUT (AC):
NOMINAL OUTPUT VOLTAGE:
 220 / 230 / 240 VAC
OUTPUT VOLTAGE RANGE:
 184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)
NOMINAL OUTPUT CURRENT: 24.3A
AC INPUT:
AC START-UP VOLTAGE / AUTO RESTART VOLTAGE: 120 - 140 VAC / 180 VAC
ACCEPTABLE INPUT VOLTAGE RANGE:
 90 - 280 VAC or 170 - 280 VAC
MAXIMUM AC INPUT CURRENT: 40A
BATTERY MODE OUTPUT (AC):
NOMINAL OUTPUT VOLTAGE:
 220 / 230 / 240 VAC
EFFICIENCY (DC TO AC): 93%
BATTERY & CHARGER:
NOMINAL DC VOLTAGE: 48 VDC
MAXIMUM SOLAR CHARGING CURRENT, MAXIMUM AC CHARGING CURRENT & MAXIMUM CHARGING CURRENT: 120A

INTERFACE:

PARALLEL FUNCTION: Yes, 9 units

COMMUNICATION PORT: USB / RS232 / RS485 / Wifi / Dry-contact

ENVIRONMENT:

HUMIDITY: 0 ~ 90% RH (Non-condensing)

OPERATING TEMPERATURE: -10 to 50°C

Please Note: Product specifications are subject to change without further notice.

PRODUCT DIMENSIONS: 140 mm x 295 mm x 468 mm

12 KGS
 Product Weight

RCT

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