

## RCT OFF-GRID INVERTER

# RCT AXPERT MAX II TWIN 8K



- Dual outputs, for smart load management
- Maximum PV input current increases to 27A
- Wide PV input voltage range 90 VDC ~ 450 VDC
- Status indication with RGB lights
- Built-in Wi-Fi for mobile monitoring (Android / iOS App is available)
- Supports USB on-the-go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Replaceable fan design for ease of maintenance
- Battery independent design
- Configurable AC / PV output usage timer and prioritization
- Compatible to Utility Mains or generator input
- Built-in anti-dust kit
- Built-in DC output for DC fan, LED bulb, router and so on
- Parallel operation with 6 units

### RATED POWER

**8000 VA / 8000 W**

### PARALLEL CAPABILITY

**Yes, 6 Units**

### INPUT

#### VOLTAGE:

230 VAC

#### SELECTED VOLTAGE RANGE:

170 - 280 VAC (For Personal Computers)

90 - 280 VAC (For Home Appliances)

#### FREQUENCY RANGE:

50 Hz / 60 Hz (Auto sensing)

### OUTPUT

#### AC VOLTAGE REGULATION (Batt. mode):

230 VAC  $\pm$  5%

#### SURGE POWER:

16000 VA

#### EFFICIENCY (PEAK):

93%

#### TRANSFER TIME:

10ms (For Personal Computers)

20ms (For Home Appliances)

#### WAVEFORM:

Pure sine wave

#### DC VOLTAGE:

12 VDC  $\pm$  5%, 100W



### BATTERY

**BATTERY VOLTAGE:**

48 VDC

**FLOATING CHARGE VOLTAGE:**

54 VDC

**OVERCHARGE PROTECTION:**

66 VDC

### SOLAR CHARGER & AC CHARGER

**SOLAR CHARGER TYPE:**

MPPT

**MAXIMUM PV ARRAY POWER:**

8000 W (4000 W x2)

**MPPT RANGE @ OPERATING VOLTAGE:**

90 ~ 450 VDC

**MAXIMUM PV ARRAY OPEN CIRCUIT VOLTAGE:**

500 VDC

**MAXIMUM PV INPUT CURRENT:**

27 A x2 (Max. 40 A)

**MAXIMUM SOLAR CHARGE CURRENT:**

150 A

**MAXIMUM AC CHARGE CURRENT:**

120 A

**MAXIMUM CHARGE CURRENT:**

150 A

### ENVIRONMENT

**COMMUNICATION INTERFACE:**

USB / RS232 / RS485 / Wi-Fi / Dry-contact

**HUMIDITY:**

5% to 95% Relative Humidity (Non-condensing)

**OPERATING TEMPERATURE:**

-10°C to 50°C

**STORAGE TEMPERATURE:**

-15°C to 60°C

Compliance Safety: CE

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

PRODUCT DIMENSIONS & WEIGHT: **158.4 x 503.6 x 530.8 mm & 20 (kgs)**

**RCT**

[WWW.RCTZONE.CO.ZA](http://WWW.RCTZONE.CO.ZA)

## RCT OFF-GRID INVERTER

# RCT AXPERT MAX II TWIN 11K



- Dual outputs, for smart load management
- Maximum PV input current increases to 27A
- Wide PV input voltage range 90 VDC ~ 450 VDC
- Status indication with RGB lights
- Built-in Wi-Fi for mobile monitoring (Android / iOS App is available)
- Supports USB on-the-go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Replaceable fan design for ease of maintenance
- Battery independent design
- Configurable AC / PV output usage timer and prioritization
- Compatible to Utility Mains or generator input
- Built-in anti-dust kit
- Built-in DC output for DC fan, LED bulb, router and so on
- Parallel operation with 6 units

### RATED POWER

**11000 VA / 11000 W**

### PARALLEL CAPABILITY

**Yes, 6 Units**

### INPUT

#### VOLTAGE:

230 VAC

#### SELECTED VOLTAGE RANGE:

170 - 280 VAC (For Personal Computers)

90 - 280 VAC (For Home Appliances)

#### FREQUENCY RANGE:

50 Hz / 60 Hz (Auto sensing)

### OUTPUT

#### AC VOLTAGE REGULATION (Batt. mode):

230 VAC  $\pm$  5%

#### SURGE POWER:

22000 VA

#### EFFICIENCY (PEAK):

93%

#### TRANSFER TIME:

10ms (For Personal Computers)

20ms (For Home Appliances)

#### WAVEFORM:

Pure sine wave

#### DC VOLTAGE:

12 VDC  $\pm$  5%, 100W



### BATTERY

**BATTERY VOLTAGE:**

48 VDC

**FLOATING CHARGE VOLTAGE:**

54 VDC

**OVERCHARGE PROTECTION:**

63 VDC

### SOLAR CHARGER & AC CHARGER

**SOLAR CHARGER TYPE:**

MPPT

**MAXIMUM PV ARRAY POWER:**

11000 W (5500 W x2)

**MPPT RANGE @ OPERATING VOLTAGE:**

90 ~ 450 VDC

**MAXIMUM PV ARRAY OPEN CIRCUIT VOLTAGE:**

500 VDC

**MAXIMUM PV INPUT CURRENT:**

27 A x2 (Max. 40 A)

**MAXIMUM SOLAR CHARGE CURRENT:**

150 A

**MAXIMUM AC CHARGE CURRENT:**

150 A

**MAXIMUM CHARGE CURRENT:**

150 A

### ENVIRONMENT

**COMMUNICATION INTERFACE:**

USB / RS232 / RS485 / Wi-Fi / Dry-contact

**HUMIDITY:**

5% to 95% Relative Humidity (Non-condensing)

**OPERATING TEMPERATURE:**

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