

## Electrical

### 120Vac Model

**Battery string voltage:** 48Vdc

**Nominal voltage:** 120Vac

**Frequency:** 60Hz/50Hz  $\pm 5\%$  (auto detection)

**Input:**

Voltage range: 85 to 152Vac  
20A (@ nominal voltage and max battery charging current)

Current:

**Output:**

Waveform: Pure sine wave

Nominal voltage: 120Vac

Voltage regulation:  $\pm 10\%$  over input voltage range

Power at 50°C: 2000W/VA

Frequency: Output frequency = input frequency

### 230Vac Model

**Battery string voltage:** 48Vdc

**Nominal voltage:** 230Vac

**Frequency:** 60Hz/50Hz  $\pm 5\%$  (auto detection)

**Input:**

12A (@ nominal voltage and max battery charging current)

Current:

Voltage range: 150 to 328Vac

**Output:**

Waveform: Pure sine wave

Nominal voltage: 230Vac

Voltage regulation:  $\pm 10\%$  over input voltage range

Power at 55°C: 2000W/VA

## Mechanical

### Dimensions:

mm: 133H x 394W x 222D

inches: 5.22H x 15.5W x 8.75D

**Weight:** 16kg (35lbs)

## Environmental

Operating temperature range\*: -40 to 74°C (-40 to 165°F)

**Audible noise @ 25°C:** 45dBa @ 1 metre (39in)

\*120Vac module derates after 50°C(122°F). 230Vac module derates after 55°C(131°F)

## Agency Compliance

**Electrical safety:**UL1778, CSA 22.2 No 107.3; EN62040-1

**Marks:** cCSA<sub>US</sub> /CE\*\*\*\*  
CFR47, Part 15 Subpart B, Class A;

**EMC:** CES-003 Class A; EN62040-2

\*\*CE applies to 230Vac version only

## Performance

**Typical output voltage THD:**<3%

**Typical efficiency:** >98% (resistive load)

**Typical transfer time:** <5ms