

Electrical

120Vac Model

Battery string voltage:48Vdc

Nominal voltage: 120Vac

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

Input:

Voltage range: 85 to 175Vac
15.5A (@ nominal voltage and max battery charging current)

Current:

Output:

Waveform: Pure sinewave
Nominal voltage: 120Vac
Voltage regulation: $\pm 10\%$ over input voltage range
Power at 55°C: 1100W/VA
Frequency: Output frequency = Input frequency

230Vac Model

Battery string voltage:48Vdc

Nominal voltage: 230Vac

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

Input:

8A nominal (@ nominal voltage and max battery charging current)
Voltage: 150 to 328Vac

Current:

Output:

Waveform: Pure sinewave
Nominal voltage: 230Vac
Voltage regulation: $\pm 10\%$ over input voltage range
Power at 55°C: 1100W/VA
Frequency: Output frequency = Input frequency

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)

*Derates after 55°C

Agency Compliance

Electrical safety: UL1778, CSA 22.2 No 107.3-03; EN62040-1

Marks: cCSA_{US} CE****

CFR47, Part 15 Subpart B, Class A;

EMC: CES-003 Class A; EN62040-2

*** Compliance only applies to units with standard input and output connectors.

Contact us for compliance information on models with optional power connectors

****CE applies to 230Vac version only

Performance

Typical output voltage THD: <3%

Typical efficiency: >98% (resistive load)

Typical transfer time: <5ms