

## Input Data(DC)

Recommended input power (W)	Up to 620 / 760 / 800
Peak power MPPT voltage range (V)	27 ~ 48 / 29 ~ 48 / 33 ~ 48
Start-up voltage(V)	22
Operating voltage range (V)	16 ~ 60
Maximum input voltage (V)	60
Maximum input current (A)	10.5 / 11.5 / 11.5

## Output Data (AC)

	@208V AC	@240V AC	@230V AC
Rated output power (W)	500 / 600 / 700	500 / 600 / 700	500 / 600 / 700
Rated output current (A)	2.40 / 2.88 / 3.36	2.08 / 2.50 / 2.91	2.17 / 2.61 / 3.04
Nominal output voltage/range (V)	208/183-250	240 / 211-264	230/180-275
Nominal frequency/range (Hz)	60/59.3-60.5	60 / 59.3-60.5	50/45-55
Power factor	> 0.99	> 0.99	> 0.99
Output current harmonic distortion	< 3%	< 3%	< 3%
Maximum units per 20A branch	6 / 5 / 4	7 / 6 / 6	7 / 5 / 5

## Efficiency

CEC peak efficiency	96.7%
CEC weighted efficiency	96.5%
Nominal MPPT efficiency	99.8%
Night time power consumption (mW)	< 50

## Mechanical Data

Ambient temperature range (°C)	-40 ~ +65
Operating temperature range (°C)	-40 ~ +85
Dimensions (W×H×D mm)	250×170×28
Weight (kG)	3.00(including 1.9m AC cable)
Enclosure rating	NEMA6(IP67)
Cooling	Natural convection - No fans

## Loading Quantity

Container	1X20' GP	1X40' GP / 1X40' HQ
Pallet No.	10	22
Carton No.	480	1008
Total Quantity	2400	5040

## Other Features

Communication	Wireless
Design lifetime	> 25 years

## Standard Compliance

EMC	EN61000-6-3:2007+A1:2011EN61000-6-2:2005EN61000-3-2:2014 EN61000-3-3:2013
Safety	EN62109-1:2010EN62109-2:2011IEC 62109-1 Ed 1.0IEC 62109-2 Ed 1.0 UL Std No.1741-Second EditionEN 60529
On-Grid	AS/NZS 4777.2:2015VDE-AR-N4105:2011-08DIN V VDE V 0126-1-1/A1:2012:02 IEC61727:2004EN50438:2013ANSI/IEEE 1547.1IEC62116:2011UTE C 15-712-1:2010-07 NBT32004-2013

