



Specifications

Whisper Solar

310

29-05-2024

ARTICLE NUMBER

60110439

Whisper Solar 310

DIMENSIONS & WEIGHT

Length x width x height

1660 x 1000 x 35 mm (65.4" x 39.4" x 1.4" inch)

Weight

18.9 kg / 41.7 lb.

MAIN SPECIFICATIONS

Peak power PMPP

330 W

Short circuit current ISC

10,30

Open circuit voltage VOC

40,50

Rated current IMPP

9,74

Rated voltage VMPP

33,88

Current and voltage tolerance [%]

±3

Module efficiency [%]

19,88

ELECTRICAL PARAMETERS AT NOMINAL CELL TEMPERATURE (NOCT)

Peak power P

240,1

Peak power tolerance

-0/+4,9

Short circuit current

8,27

Open circuit voltage

37,2

Rated current

7,80

Rated voltage

30,8

MECHANICAL

Solar cells

60 cells, monocrystalline Si, 157 x 157 xmm +/- 2mm

Cells encapsulation

Ethylene vinyl acetate (EVA)

Front

Tempered solar glass, 3,2 mm

Back

Composite polyester Film

Frame

Anodized aluminium frame with twin-wall profile and drainage holes

Junction box

IP67 with 3 Bypass diodes

Cable and connectors

Solar cable 4 mm², length 1200 mm

OPERATING CONDITIONS

Temperature range [°C]

-40 to +85

Maximum system voltage

1000

Max. series fuse rating

15 A

Limiting reverse current	15 A
Maximum surface load	5400 Pa (Snow load)
Resistance against hail	Max. diameter of 25 mm with impact speed of 23 m/s

THERMAL CHARACTERISTICS

Temperature coefficient of P [%/K]	-0,42
Temperature coefficient of I [%/K]	0,05
Temperature coefficient of V [%/K]	-0,33