

Volt[®]

Planum Solar Tile

SPECIFICATIONS SHEET

Volt is the world's most advanced solar tile. Employing MWT technology and an industry-leading, material-efficient design resulting in lower thermal mass, enabling cooler operation and enhanced efficiency.

Volt reaches an incredible 18.8% efficiency. With its durable and weather-resistant design, aluminium frame and toughened glass, Volt is built to withstand the harshest environments.

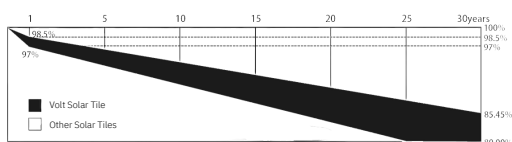


**30 YEAR
PERFORMANCE
WARRANTY**



**15 YEAR
PRODUCT
WARRANTY**

LONG-LASTING RELIABILITY



115W

MWT MONO PERC MODULE 18.8% MODULE EFFICIENCY

✓ High Efficiency

MWT technology increases cell conversion efficiency, delivering higher power output in lower irradiance conditions.

✓ Mechanically Strong

Volt's low profile design naturally resists snow loading and wind loading conditions.

✓ Low Maintenance

Volt's direct integration into the roof eliminates the buildup of debris and the need for cable maintenance compared to conventional modules.

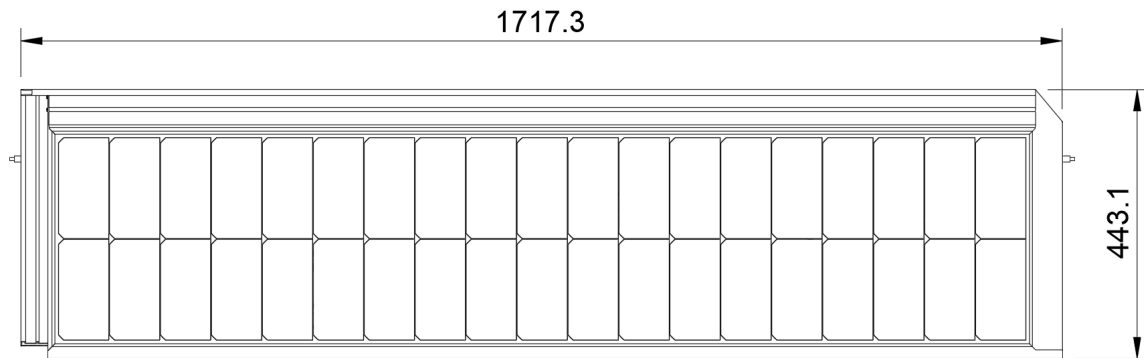
✓ Higher Reliability

The busbar and tapping ribbon-free design allows the tile to have a sleeker, seamless integration into the roof while increasing reliability.

✓ Lead-Free

Volt's eco-friendly design is entirely lead-free.

MODULE DIAGRAM



MODULE SPECIFICATIONS *

Peak Power Pmax	115W
Rated Current Imp	10.73A
Rated Voltage Vmp	10.8V
Short-circuit Current Isc	11.3A
Open-circuit voltage Voc	13.0V
Module Efficiency	18.8%
Power Tolerance	±3%
Maximum Power Tolerance	0~+5W

CONSTRUCTION MATERIALS

Front Glass	3.2mm, Low Iron, Tempered Glass
Junction Box	IP65
Output Cables	TUV 1x4mm ² , length: 600/700mm
Connector	MC4 EVO2
Encapsulation Material	EVA(0.45+0.03mm thickness)
Back Foil	Black TPT (0.32+0.03mm thickness)

OPERATING CONDITIONS

Max. System Voltage SK II	1500 V
Max. System Fuse Rating (A)	15
Operating Temperature (°C)	-40~85
Max. Static Load, front (e.g. snow) Pa	2400 [^]
Max. Static Load, back (e.g. wind) Pa	2400 [^]

MECHANICAL CHARACTERISTICS

Cell Size (mm)	166 x 83
No. of cells	38
Module Size (mm)	1717.3 x 443.1 x 49.7
Module Weight (KG)	10.1
Fixing Method	Screwed at top. Interlock at nose (refer manual). This product must not be installed using clamps.
Fire Class Rating	UL 1703 Class C

TEMPERATURE COEFFICIENT

Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	0.06%/°C
NMOT	43°C (±2°C)

* Under Standard Test Conditions (1000 W/m² irradiance, AM 1.5, 25° C).
[^] With a Safety Factor of 1.5