

MODULE SPECIFICATIONS

	VOLTPLM-110-24F	VOLTPLM-115-24F	VOLTPLM-120-24F
Peak Power Pmax	110W	115W	120W
Rated Current Imp	7.44A	7.77A	8.10A
Rated Voltage Vmp	14.79V	14.80V	14.81V
Short-circuit Current Isc	7.89A	8.23A	8.57A
Open-circuit voltage Voc	17.23V	17.24V	17.26V
Module Efficiency	16.2%	16.9%	17.6%
Pmax / Voc / Isc Tolerance	±3%	±3%	±3%

25 YEAR
PERFORMANCE WARRANTY

10 YEAR
PRODUCT WARRANTY

CONSTRUCTION MATERIALS

Front	3.2mm AR Coated Tempered Glass
Back	3.2mm Tempered Glass
Junction Box	IP65
Output Cables	4mm ² x 950mm
Connector	Baoding Yitong PV Science & Technology Co. Ltd Type 18.01
Encapsulation	PVB(0.76+0.01mm thickness)
Backing	Black EVA (0.56+0.01mm thickness)

MECHANICAL CHARACTERISTICS

Cell Size (mm)	210 x 105
No. of cells	24
Module Size (mm)	1908 x 443mm
Module Weight (Kg)	16
Fixing Method	Screwed to batten. Interlock at nose (refer manual)
Fire Class Rating	UL790 Class A
Test Standards	IEC 61215-1, 1-1, 2:2021 IEC 61730-1, 2:2023

OPERATING CONDITIONS

Max. System Voltage SK II	1500 V
Max. System Fuse Rating (A)	30
Operating Temp / T98 (°C)	-40~+70 / 70
Static Load + downward (design / test) Pa	3600 / 5400
Static Load - upward (design / test) Pa	1600 / 2400

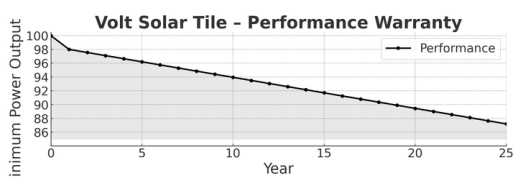
* Under Standard Test Conditions (1000 W/m² irradiance, AM 1.5, 25°C).
Design load excludes 1.5 safety factor; test load includes it.
Low-irradiance performance: ≥96% at 200 W/m², 25°C.
Power binning: 0 to +5 W.
Efficiency based on exposed solar tile area 1863 mm x 365 mm.

TEMPERATURE COEFFICIENT

Temperature Coefficient of Pmax	-0.39%/°C
Temperature Coefficient of Voc	-0.3%/°C
Temperature Coefficient of Isc	0.06%/°C
NMOT	43°C (±2°C)

Designed in Australia, Manufactured in China
for Volt Solar Tile Pty. Ltd.

LONG-LASTING RELIABILITY



MODULE DIAGRAM

