



General Characteristics

Dimension PV slates	1'456 × 600 × 8.5 mm
Solar cell type	Monocrystalline silicon cells
Laminate structure	Glass EVA Cells EVA Glass
Junction box	2 x IP68 rated
Bypass diode	2 diodes per shingle
Connection cable	Solar cable 4 mm ²
Connector	MC4 compatible
Glass thickness	4 mm (front) + 3 mm (back)
Glass properties	Tempered solar safety glass (ESG)
Weight	4.9 lbs/ft ² or 24.0 kg/m ²
Temperature range	-40°C to +85°C

Electrical Properties at STC

Type of module	Pantone shingle
Nominal output (P _{mpp})	135 Wp
Voltage (V _{mpp})	22.20 V
Current (I _{mpp})	6.10 A
Open circuit voltage (V _{oc})	26.50 V
Short circuit current (I _{sc})	6.40 A
Maximum system voltage	1'000 V DC
Reverse current overload	20 A
Tolerance nominal output	5 %

STC (Standard Testing Conditions) = 1'000 W/m², 25°C and AM1.5

Temperature coefficients

Temperature coefficient voltage (V _{oc})	-0.19 %/K
Temperature coefficient nominal output (P _{mpp})	-0.39 %/K
Temperature coefficient short circuit current (I _{sc})	+0.05 %/K

Quality and Warranty

Product guarantee	10 years
Performance guarantee	10 years at 90% of the nominal output 25 years at 80% of the nominal output
Quality and Certification	IEC 61215:2021 IEC 61730:2021 Fire rating class C Fire rating class 1 (UNI 9177)

Certified pressure load	4'800 N/m ²
Accessibility	Can be accessed without any guarantee restrictions