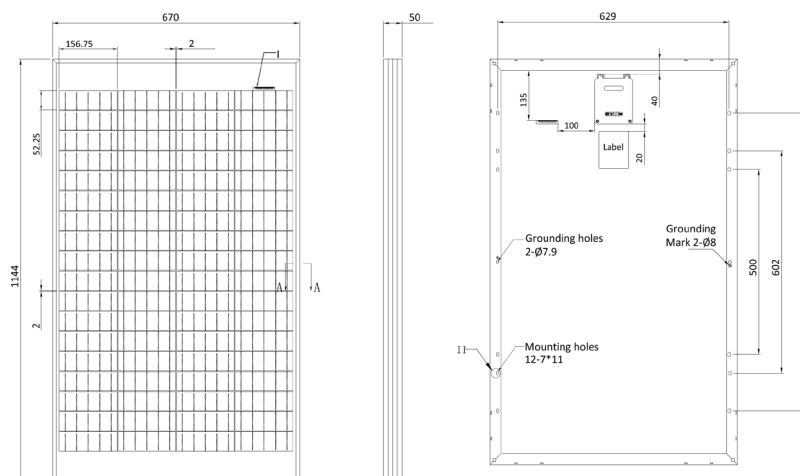
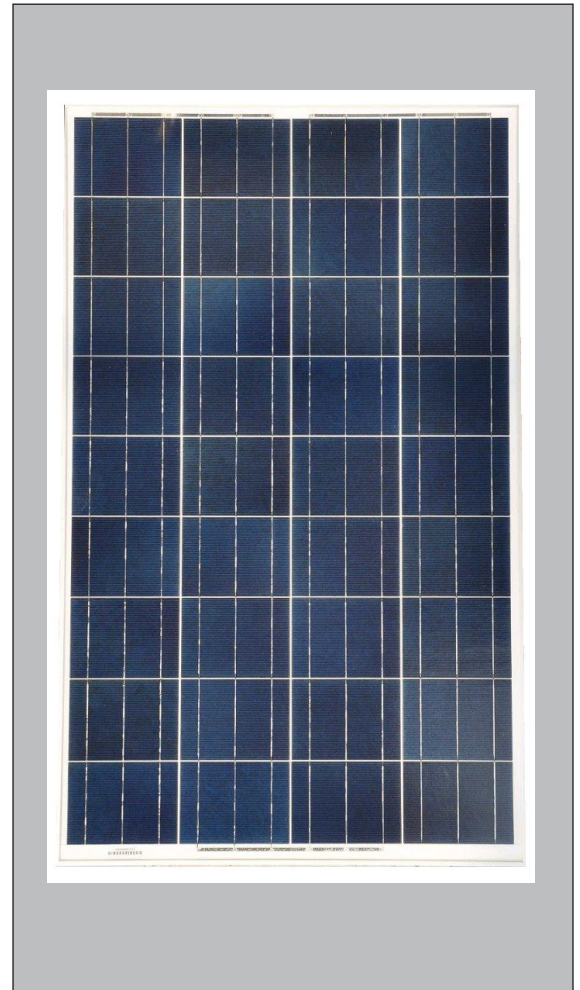


Solar Module (110W/12V)

High-quality module provides reliable solar electric power for industrial applications in hazardous locations including monitoring and control, security, telecom, instrumentation, communications, and general battery charging. Up to two bypass diodes protect against hot-spot damage during partial shading. The junction box has four half-inch conduit knockouts. This module features UL-1703, C1D2, and CE certifications.

SWPB Part Number	020191
Rated Power (Watts)	110W
Voc Open Circuit Voltage (Volts)	22.46V
Isc Short Circuit Current (Amps)	6.28A
Vmp Rated Voltage (Volts)	18.73V
Imp Rated Current (Amps)	5.88A
Max System Voltage (VDC)	600V
Series Fuse Rating (Amps)	15A
Dimensions and Weights	
Module Size (L x W x D) inches	45.03 x 26.38 x 1.97
Module Size (L x W x D) mm	1144 x 670 x 50
Weight (lb/kg)	19.18/8.70
Electrical/Thermal Parameters	
Voltage Temperature coefficient (Voc)	-0.31%/°C
Current Temperature coefficient (Isc)	0.05%/°C
Power Temperature coefficient (Pmax)	-0.36%/°C
Peak Power Tolerance	+/-3%
Temperature Range	-40°C to +85°C
Certifications and Standards	
UL 1703, ULC/ORD - C1703-01, Class 1 Division 2 Group A,B,C, and D	
Warranty	
Five years on material, ten years on performance, 20 years on performance (pro-rated based on performance degradation)	



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