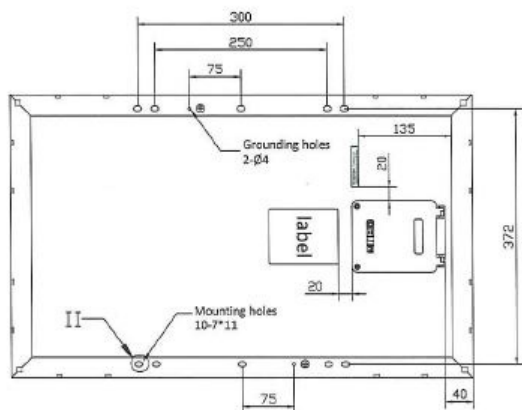
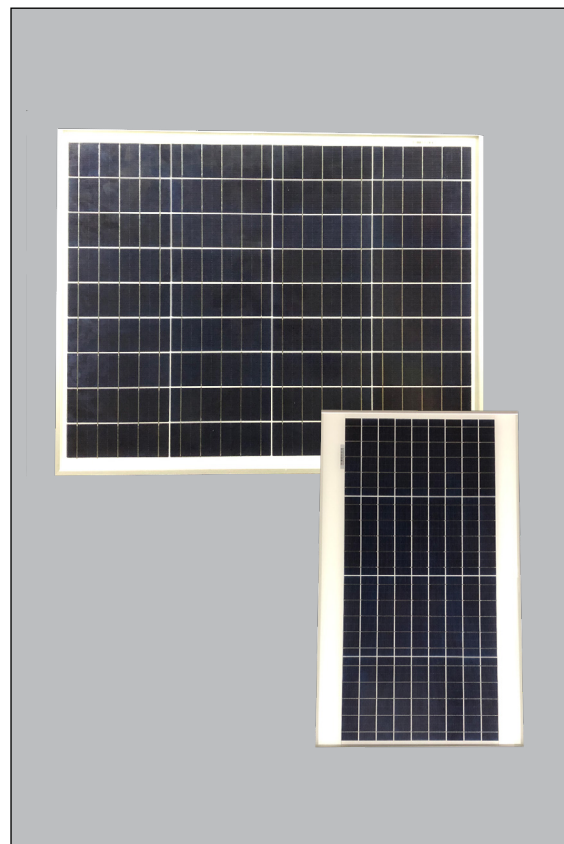


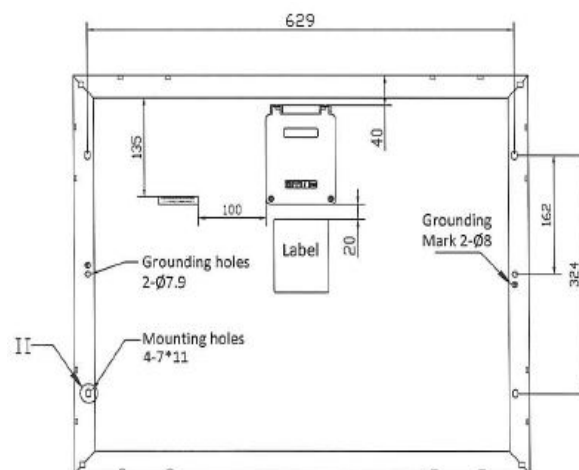
Solar Modules (30W - 50W / 12V)

High quality modules for industrial applications. Top-quality performance for all solar electric power applications such as monitoring and control, security, instrumentation, telecom, and general battery charging. Up to (2) bypass diodes protect against hot-spot damage during partial shading. Junction box has (4)-1/2" conduit knockouts and features UL-1703, C1D2, and CE certifications.

SWPB Part #	020116	020117
Rated Power (Watts)	30W	50W
Voc Open Circuit Voltage (Volts)	22.5	22.45
Isc Short Circuit Current (Amps)	1.71	2.85
Vmp Rated Voltage (Volts)	18.65	18.73
Imp Rated Current (Amps)	1.61	2.67
Max System Voltage (VDC)	600	600
Series Fuse Rating (Amps)	15	15
Dimensions and Weights		
Module Size (l x w) inches	26.37 x 16.22	26.37 x 21.26
Module Size (l x w) mm	670 x 412	670 x 540
Weight (lb / kg)	7.9 / 3.6	9.9 / 4.5
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%	
Certifications & Standards		
UL 1703, ULC/ORD - C1703-01, Class 1 Division 2 Group A,B,C, and D		
Warranty		
5 years on material, 10 years on performance, 20 years on performance (pro-rated based on degradation)		



(Module 020116)



(Module 020117)

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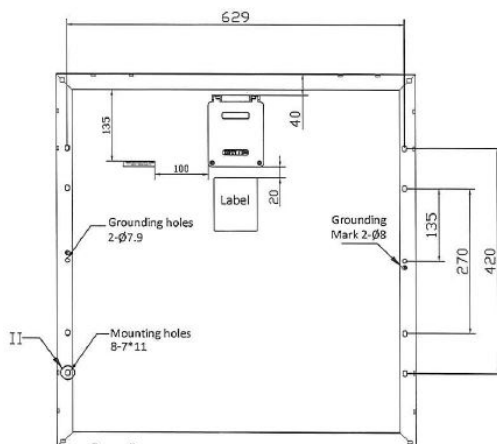
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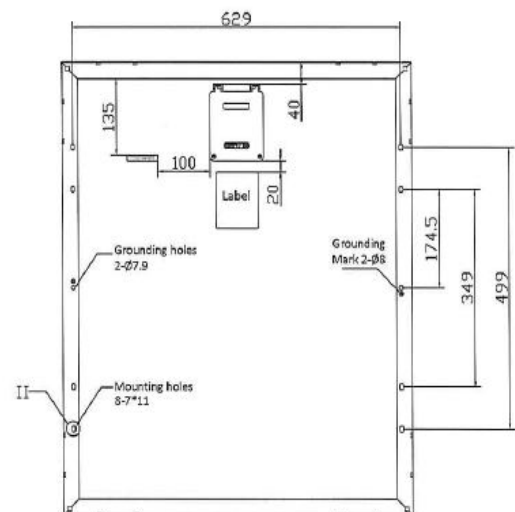
Solar Modules (65W - 80W / 12V)

High quality modules for industrial applications. Top-quality performance for all solar electric power applications such as monitoring and control, security, instrumentation, telecom, and general battery charging. Two (2) bypass diodes protect against hot-spot damage during partial shading. Junction box has (4)-1/2" conduit knockouts and features UL-1703, C1D2, and CE certifications.

SWPB Part #	020118	020119
Rated Power (Watts)	65W	80W
Voc Open Circuit Voltage (Volts)	22.79	22.75
Isc Short Circuit Current (Amps)	3.62	4.45
Vmp Rated Voltage (Volts)	19.12	19.15
Imp Rated Current (Amps)	3.4	4.18
Max System Voltage (VDC)	600V	600V
Series Fuse Rating (Amps)	15	15
Dimensions and Weights		
Module Size (l x w) inches	26.37 x 27.56	26.37 x 31.99
Module Size (l x w) mm	670 x 700	670 x 800
Weight (lb / kg)	12.1 / 5.5	15.4 / 7.0
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%	
Certifications & Standards		
UL 1703, ULC/ORD - C1703-01, Class 1 Division 2 Group A,B,C, and D		
Warranty		
5 years on material, 10 years on performance, 20 years on performance (pro-rated based on degradation)		



(Module 020118)



(Module 020119)

SHOP NOW



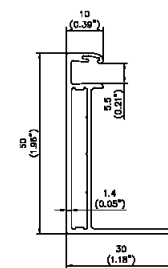
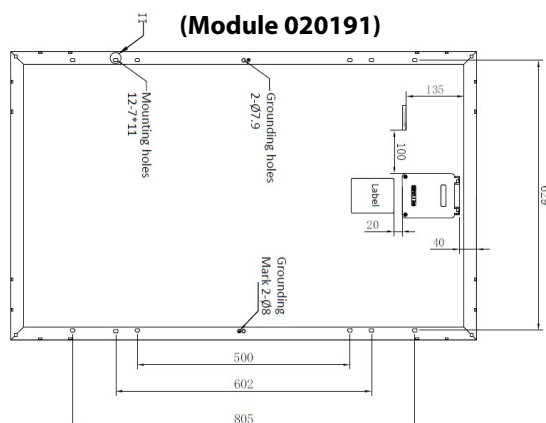
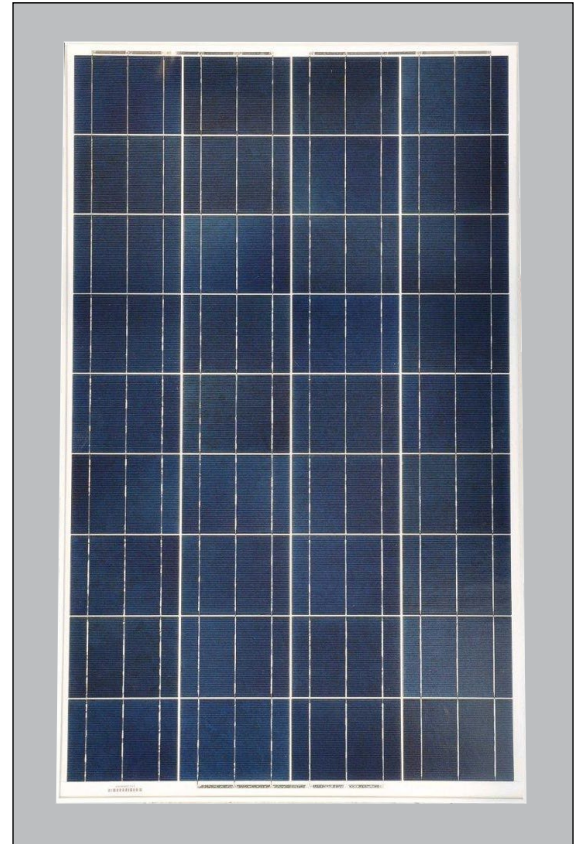
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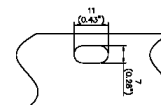
Solar Module (110W / 12V)

High quality solar modules for industrial applications in hazardous locations. Top-quality performance for all solar electric power applications such as monitoring and control, security, instrumentation, communications, and general battery charging. Up to (2) bypass diodes protect against hot-spot damage during partial shading. Junction box has (4)-1/2" conduit knockouts and features UL-1703, C1D2, and CE certifications.

SWPB Part #	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)	600
Series Fuse Rating (Amps)	15
Dimensions and Weights	
Module Size (l x w) inches	45.03X26.38
Module Size (l x w) mm	1144x670
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%
Warranty	
5 years on material, 10 years on performance, 20 years on performance, pro-rated based on degradation.	
Certifications & Standards	
UL 1703, ULC/ORD - C1703-01, Class 1 Division 2 Group A,B,C, and D	



Section View of Frame



Mounting Hole

SHOP NOW



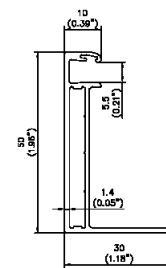
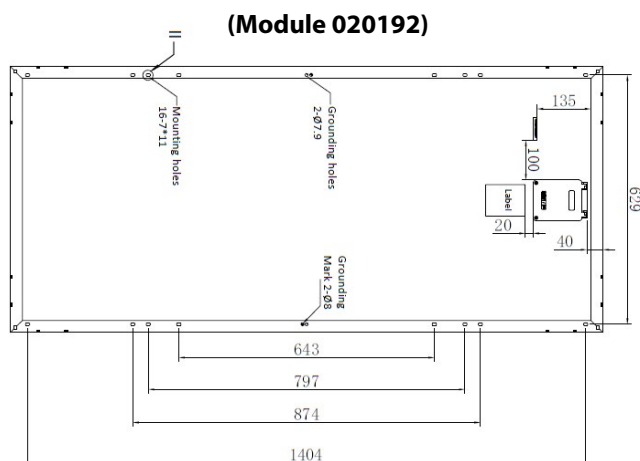
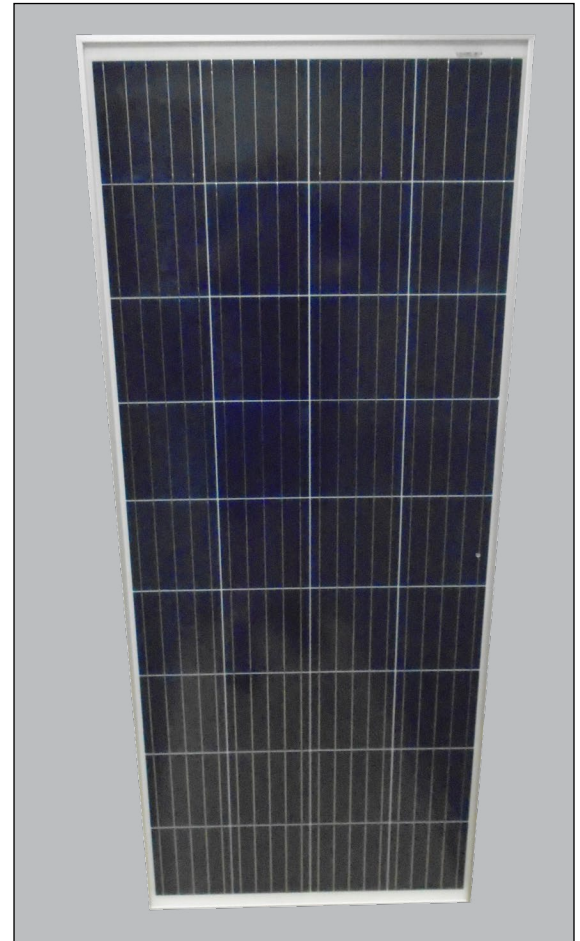
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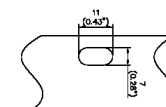
Solar Modules (160W / 12V)

High quality modules for industrial applications. Top-quality performance for all solar electric power applications such as monitoring and control, security, instrumentation, telecom, and general battery charging. Up to (2) bypass diodes protect against hot-spot damage during partial shading. Junction box has (4)-1/2" conduit knockouts and features UL-1703, C1D2, and CE certifications.

SWPB Part #	020192
Rated Power (Watts)	160W
Voc Open Circuit Voltage (Volts)	22.72V
Isc Short Circuit Current (Amps)	8.89A
Vmp Rated Voltage (Volts)	19.15V
Imp Rated Current (Amps)	8.36A
Max System Voltage (VDC)	600
Series Fuse Rating (Amps)	15
Dimensions and Weights	
Module Size (l x w) inches	58.66 x 26.38
Module Size (l x w) mm	1490 x 670
Weight (lb / kg)	25.35/ 11.50
Electrical / Thermal Parameters	
Voltage Temperature coefficient (Voc)	-0.29%/°C
Current Temperature coefficient (Isc)	0.04%/°C
Power Temperature coefficient (Pmax)	-0.36%/°C
Peak Power Tolerance	+/-3%
Certifications & Standards	
UL 1703, ULC/ORD - C1703-01, Class 1 Division 2 Group A,B,C, and D	
Warranty	
5 years on material, 10 years on performance, 20 years on performance (pro-rated based on degradation)	



Section View of Frame



Mounting Hole

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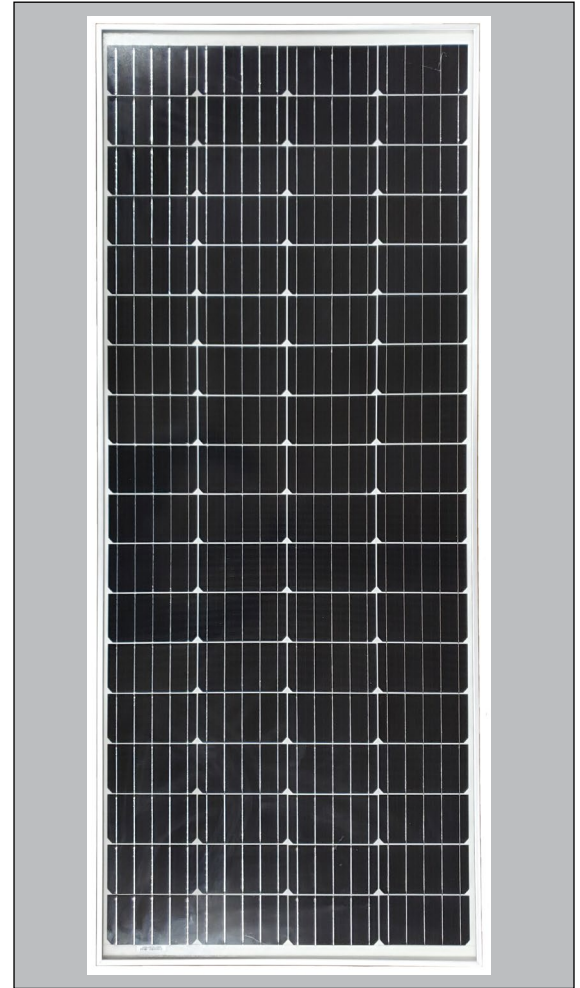
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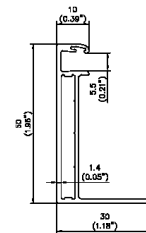
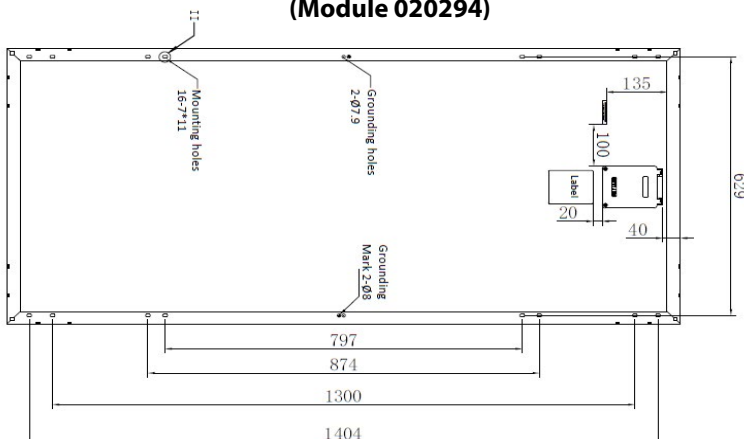
Solar Modules (180W / 24V)

High quality modules for industrial applications. Top-quality performance for all solar electric power applications such as monitoring and control, security, instrumentation, telecom, and general battery charging. Up to (2) bypass diodes protect against hot-spot damage during partial shading. Junction box has (4)-1/2" conduit knockouts and features UL-1703, C1D2, and CE certifications.

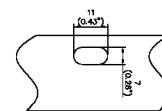
SWPB Part #	020294
Rated Power (Watts)	180W
Voc Open Circuit Voltage (Volts)	47.09V
Isc Short Circuit Current (Amps)	4.86A
Vmp Rated Voltage (Volts)	39.75V
Imp Rated Current (Amps)	4.54A
Max System Voltage (VDC)	600
Series Fuse Rating (Amps)	15
Dimensions and Weights	
Module Size (l x w) inches	59.21 x 26.38
Module Size (l x w) mm	1504 x 670
Weight (lb / kg)	26.45/ 12.00
Electrical / Thermal Parameters	
Voltage Temperature coefficient (Voc)	-0.29%/°C
Current Temperature coefficient (Isc)	0.04%/°C
Power Temperature coefficient (Pmax)	-0.36%/°C
Peak Power Tolerance	+/-3%
Certifications & Standards	
UL 1703, ULC/ORD - C1703-01, Class 1 Division 2 Group A,B,C, and D	
Warranty	
5 years on material, 10 years on performance, 20 years on performance (pro-rated based on degradation)	



(Module 020294)



Section View of Frame



Mounting Hole

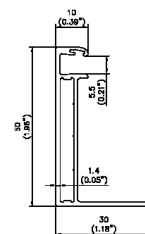
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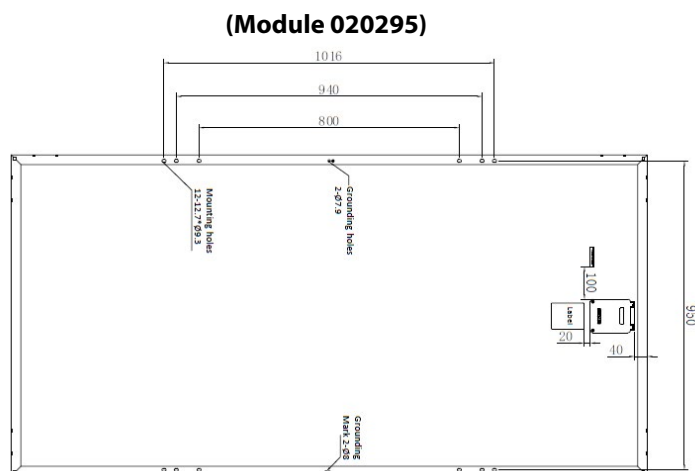
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High quality modules for industrial applications. Top-quality performance for all solar electric power applications such as monitoring and control, security, instrumentation, telecom, and general battery charging. Up to (2) bypass diodes protect against hot-spot damage during partial shading. Junction box has (4)-1/2" conduit knockouts and features UL-1703, C1D2, and CE certifications.

A large, rectangular, dark blue solar panel with a grid of thin, light-colored lines, mounted on a white frame. The panel is oriented vertically and occupies most of the frame. The grid lines are evenly spaced and create a pattern of small squares across the entire surface of the panel. The panel is set against a plain, light-colored background.

Mounting Hole



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