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**Solar Panel Guide
Specification Data Sheet**

**American Solar Wholesale
ASW 20-120M
ASW-80M**

Also available on the web at
EnergyPal.com/american-solar-wholesale-solar-panels/asw-80m



American Solar Wholesale
 800-909-4808 or 949-272-0011
 sales@americansolarwholesale.com
 www.americansolarwholesale.com
 23046 Avenida de Carlota suite 600
 Laguna Hills California 92653

Typical Data at Standard Test Condition (STC)
 STC: T=25° C AM=1.5 E=1000W/m²

125mm×125mm Mono-crystalline Solar Module
ASW-20M, 45M, 60M, 80M, 85M, 120M

Type	ASW-20M	ASW-45M	ASW-60M
Peak Power (Pm)	20W	45W	60W
Open Circuit Voltage(Voc)	21.3V	21.5V	21.6V
Short Circuit Current (Isc)	1.24A	2.83A	3.86A
Maximum Power Voltage (Vmp)	17.3V	17.6V	17.2V
Maximum Power Current (Imp)	1.16A	2.56A	3.49A
Maximum System Voltage	1000V	1000V	1000V
Working Temperature	-40℃—+90℃	-40℃—+90℃	-40℃—+90℃
Dimension(A×B×C)	423×427×28mm	626×542×28mm	780×670×28mm
Weight	2.5kg	5.5kg	8kg
Product Authentication			

Type	ASW-80M	ASW-85M	ASW-120M
Peak Power (Pm)	80W	85W	120W
Open Circuit Voltage(Voc)	22.1V	22.2V	21.5V
Short Circuit Current (Isc)	4.87A	5.13A	7.97A
Maximum Power Voltage (Vmp)	18.2V	18.5V	17.2V
Maximum Power Current (Imp)	4.40A	4.59A	6.89A
Maximum System Voltage	1000V	1000V	1000V
Working Temperature	-40℃—+90℃	-40℃—+90℃	-40℃—+90℃
Dimension(A×B×C)	1197×535×35mm	1197×535×35mm	1480×670×35mm
Weight	8kg	8kg	10kg
Cell	Monocrystalline silicon solar cell 125mm×125mm	Monocrystalline silicon solar cell 125mm×125mm	Monocrystalline silicon solar cell 156mm×156mm
No.of cells and connections	36 (4×9)	36 (4×9)	36 (4×9)
Product Authentication			

Temperature and Coefficients

NOCT	46℃ ± 2℃	
Current temperature coefficient	%/K	0.08
Voltage temperature coefficient	%/K	- 0.36
Power temperature coefficient	%/K	- 0.51



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