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**Solar Panel Guide
Specification Data Sheet**

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

Also available on the web at
EnergyPal.com/american-solar-wholesale-solar-panels/asw-20m



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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