

ESPSC

Monocrystalline Solar Module

158.75

KEY FEATURES



5 Busbar Solar Cell:

5 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.



High Power Output:

Higher module output up to 400W with Passivated Emitter Rear Contact (PERC) technology.



Low-light Performance:

Advanced glass and surface texturing allow for excellent performance in low-light environments.



Reliabile Warranty:

12 years' product warranty.
Power warranty of 90% up to 12 years and 80% up to 25 years.



WATTS
POSITIVE
TOLERANCE



12 YEARS
PRODUCT
WARRANTY



12 YEARS
PERFORMANCE
GUARANTEE 90%



25 YEARS
PERFORMANCE
GUARANTEE 80%



MONOCRYSTALLINE, 72-CELL SERIES

ELECTRICAL PERFORMANCE

| | | | | | | | | | |
|---|---|---|--------|---|--------|---|--------|---|--------|
| Module type: ESPSC | 380M | / | 385M | / | 390M | / | 395M | / | 400M |
| Maximum Power(Wp) | 380W | | 385W | | 390W | | 395W | | 400W |
| Open circuit Voltage(Voc) | 48.9V | | 49.1V | | 49.3V | | 49.5V | | 49.8V |
| Short circuit Current(Isc) | 9.75A | | 9.92A | | 10.12A | | 10.23A | | 10.36A |
| Maximum Power Voltage(Vm) | 40.5V | | 40.8V | | 41.1V | | 41.4V | | 41.7V |
| Maximum Power Current(Im) | 9.39A | | 9.44A | | 9.49A | | 9.55A | | 9.60A |
| Module efficiency | 19.16% | | 19.42% | | 19.67% | | 19.92% | | 20.17% |
| Maximum Series Fuse | 15A | | | | | | | | |
| Watts positive tolerance | 0~+3% | | | | | | | | |
| Number of Diode | 3 | | | | | | | | |
| Standard Test Conditions | 1000W/M ² ,25°C,AM1.5 | | | | | | | | |
| Maximum System Voltage | 1000V/DC | | | | | | | | |
| Temperature-Coefficient Isc | +0.08558%/°C | | | | | | | | |
| Temperature-Coefficient Uoc | -0.29506%/°C | | | | | | | | |
| Temperature-Coefficient Pmpp | -0.38001%/°C | | | | | | | | |
| Normal Operating Cell Temperature | -40°C...+85°C | | | | | | | | |
| Load Capacity for the cover of the module (glass) | 5400Pa(IEC61215)(snow) | | | | | | | | |
| Load Capacity for the front & back of the module | 2400Pa(IEC61215)(wind) | | | | | | | | |
| Product Certificate | TUV(IEC 61215,IEC 61730),CE, ROHS,PID Resistant,INMETRO | | | | | | | | |
| Company Certificate | ISO9001,ISO14001,ISO18001 | | | | | | | | |

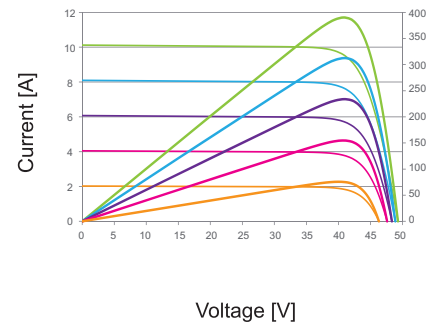
MECHANICAL CHARACTERISTICS

| | |
|---|--|
| Front cover (material / thickness) | low-iron tempered glass / 3.2mm |
| Backsheet (color) | TPT in white |
| Cell (quantity / material / dimensions) | 72 / monocrystalline silicon / 158.75x158.75mm |
| Frame (material / color) | aluminum hollow-chamber frame on each side anodized aluminum alloy / silver |
| Junction box (protection degree) | ≥IP68 |
| Cables & Plug connectors | 2x900mm / 4mm ² & MC4 compatible |
| Module Dimensions (L / W / H) | 1979x1002x40mm |
| Module Weight | 22.5kg |
| Application class | Class A |
| Electrical protection class | Class II |
| Fire safety class | Class C |

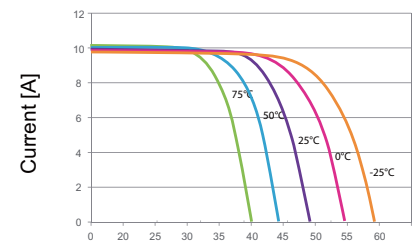
PACKING

| Container Size | Units/Pallet (PCS) | Weight/Pallet (KG) | Pallet Measurement (mm) | Units/Container (PCS) |
|----------------|--------------------|--------------------|-------------------------|-----------------------|
| 20GP | 26 | 615 | 2030x1130x1140 | 260 |
| 40HQ | 26 | 615 | 2030x1130x1140 | 627 |
| | 31 | 730 | 2030x1130x1350 | |

CURRENT-VOLTAGE CURVES:



Module characteristics at constant module temperatures of 25°C and variable levels of irradiance



Module characteristics at variable module temperatures and constant module irradiance of 1.000 W/m²

MODULE DIAGRAM:

