

ESPSC

Monocrystalline Solar Module

Q High-quality
With 72 cells and 5 bypass diodes in power classes from 380 to 400 Wp for grid connected systems.

\$ Reliable
The high quality level of ERA SOLAR guarantees long life-time and high earnings.

kg Solid
An Aluminium hollow-chamber frame on each side combined with low-iron and tempered solar glass ensures high load capacity resistance.

Wp Performance guarantee
ERA SOLAR grants a power guarantee of 90% of nominal power output up to 10 years and 80% up to 25 years.

+ WATTS POSITIVE TOLERANCE

10 YEARS PRODUCT WARRANTY

10 YEARS PERFORMANCE GUARANTEE 90%

25 YEARS PERFORMANCE GUARANTEE 80%



ESPSC

Monocrystalline Solar Module

SPECIFICATIONS

Dimensions	1979 x 1002 x 40mm
Weight	22.5 kg
Frame	Aluminium hollow-chamber frame on each side
Glass	Low-iron and tempered glass 3.2 mm
Cells	72 pcs Mono PERC (158.75 x 158.75 mm)
Cell Embedding	EVA
Back-Foil	FEVE / PET / FEVE
Junction Box	TÜV certified
Cable	4 mm ² solar cable 2 x 900 mm or Customized Length
Temperature Range	-40°C ... +85°C
Load Capacity	5400 Pa(IEC61215),40mm

Application class	Class A
Electrical protection class	Class II
Fire safety class	Class C
Product warranty	10 years
Power Guarantee	10 years 90% 25 years 80%

Packaging Configuration
(Two pallets = One stack)
27pcs/pallet, 54pcs/stack,
594pcs/40'HQ Container

CHARACTERISTICS

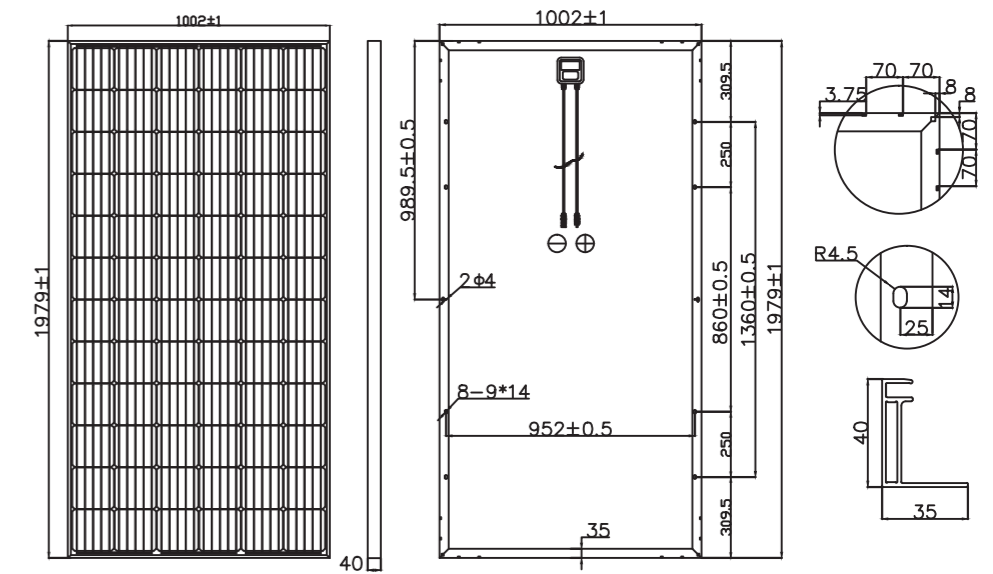
Max. System Voltage	1000V/DC
Temperature-Coefficient I _{sc}	+0.02973%/°K
Temperature-Coefficient V _{oc}	-0.38038%/°K
Temperature-Coefficient P _{mpp}	-0.57402%/°K
NOCT***	45°C

CERTIFICATES

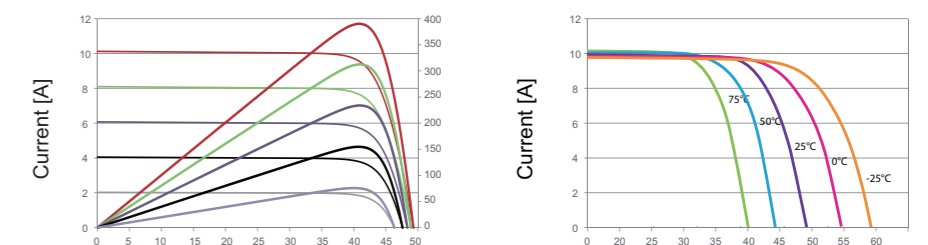
IEC 61215 edition 2 (TÜV Nord)
(TÜV Rheinland)
IEC 61730 MCS INMETRO
CE CEC SALT-MIST
UL1703 CSA
PID Resistant

INSURANCE

Chubb



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

ESPSC TYPE	380M	385M	390M	395M	400M
Power Class	380Wp	385Wp	390Wp	395Wp	400Wp
Max. Power Voltage (V _{mpp})* at STC**	40.5V	40.8V	41.1V	41.4V	41.7V
Max. Power Current (I _{mpp}) at STC	9.39A	9.44A	9.49A	9.55A	9.60A
Open Circuit Voltage (V _{oc}) at STC	48.9V	49.1V	49.3V	49.5V	49.8V
Short Circuit Current (I _{sc}) at STC	9.75A	9.92A	10.12A	10.23A	10.36A
Module Efficiency	19.16%	19.42%	19.67%	19.92%	20.17%

* MPP: Maximum Power Point
** STC (Standard Test Conditions): 1000W/m², 25°C, AM 1.5
*** Normal Operating Cell Temperature

