

SOLAR PANEL

A fully certified, premium quality and high efficiency module made with A Grade materials manufactured in Turkey. Guaranteed positive tolerance of up to 5W.

144
Cells
Mono-Perc
(MBB)



- QUALITY**
- ISO 9001 Certification
 - ISO 10002 Certification
 - IEC 61215
 - PIN-UP technology lamination
 - NDC (non-destructive cutting)
 - MICRO GAP
 - EL CONTROL IN 3 LOCATIONS

- COMPONENTS**
- Certified suppliers
 - Strict criteria for the selection of cells (Europe and Asia)
 - MC4-EVO2 Type connectors Or Compatible

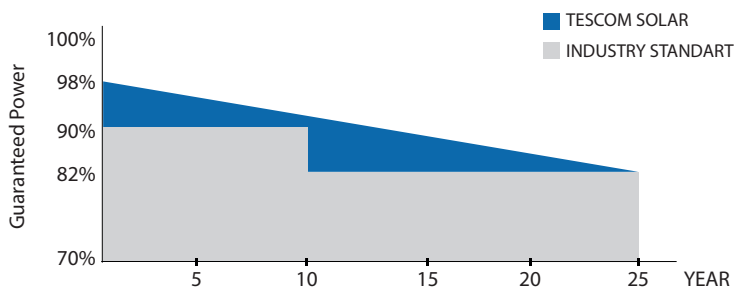
- TECH**
- IEC 61215 and 61730 parts II
 - Load resistance -5400 pa
 - Hail impact resistance class 4
 - Max voltage 1500V

- WARRANTY**
- Product: 12 years
 - 1 Year: Mono (98%)
 - 10 Years: 90% / 25 years up to: 82% (linear)

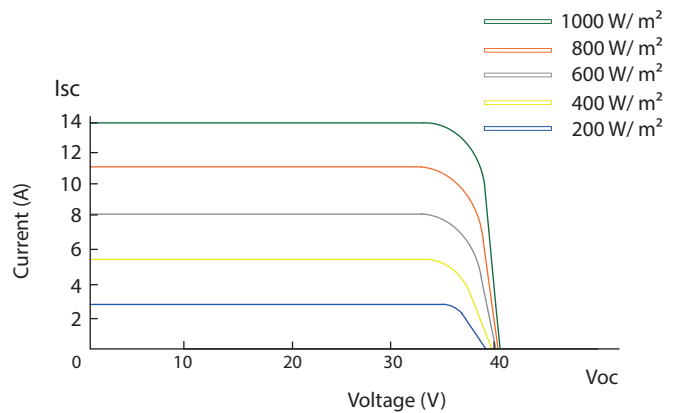
- ENVIRONMENT**
- Regulated carbon footprint
 - ISO 45001 AND ISO 14001 STD.

- PRODUCT**
- Class 520 - 550W -0/+4.99 WP
 - Mono cells
 - 144 Cells Perc Module
 - 11BB

LINEAR PERFORMANCE WARRANTY



I-V CURVE



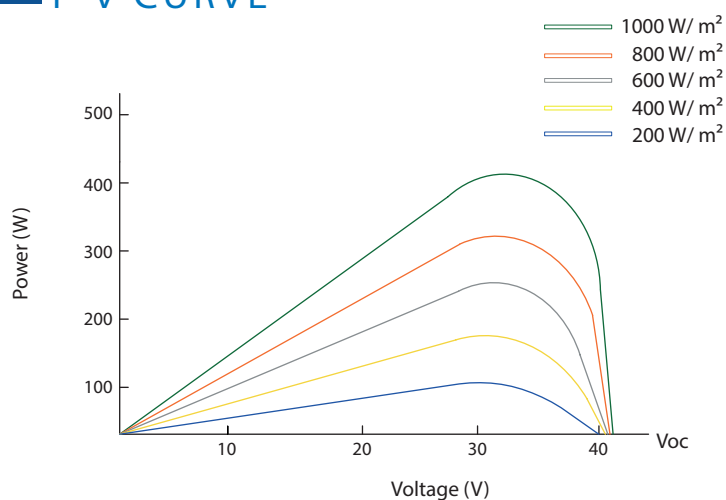
ELECTRICAL CHARACTERISTICS

| RATED POWER | Tescom520 120C/M | Tescom525 120C/M | Tescom530 120C/M | Tescom535 120C/M | Tescom540 120C/M | Tescom545 120C/M | Tescom550 120C/M |
|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Power tolerance | 0 ~+5W | | | | | | |
| Maximum power voltage (Vmp) | 40.74 | 40.90 | 41.06 | 41.22 | 41.39 | 41.53 | 41.70 |
| Maximum power current (Imp) | 12.77 | 12.84 | 12.91 | 12.99 | 13.06 | 13.13 | 13.20 |
| Open circuit voltage (Voc) | 48.78 | 48.94 | 49.10 | 49.26 | 49.41 | 49.57 | 49.73 |
| Short circuit current (Isc) | 13.62 | 13.69 | 13.76 | 13.82 | 13.89 | 13.95 | 14.02 |
| Module efficiency (%) | 20.10 | 20.29 | 20.48 | 20.69 | 20.89 | 21.07 | 21.27 |
| Maximum system voltage | DC1500V | | | | | | |
| Maximum series fuse | 25A | | | | | | |
| Tested at Standart Test Conditions (STC): Irradiance 1000W/m ² , AM 1.5, Cell Temperature 25°C | | | | | | | |

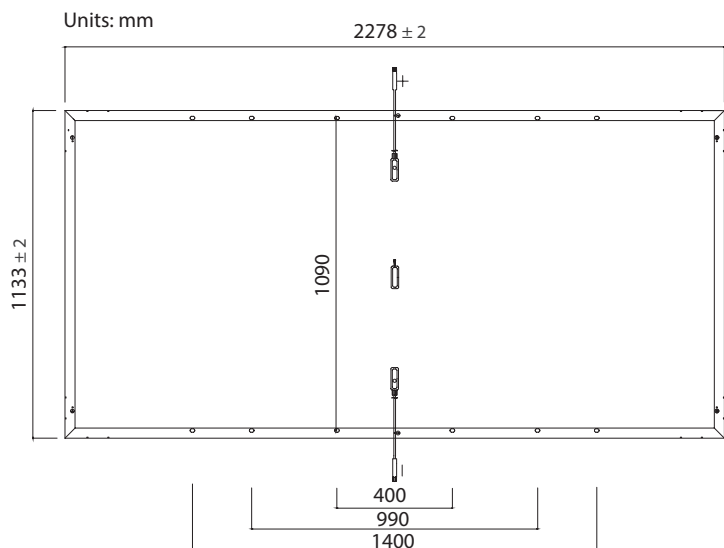
MECHANICAL DATA

| | |
|----------------|--|
| Dimension (mm) | 2278x1133x35 |
| Weight | 27.0kg |
| Frame | Andonized aluminum |
| Glass | 3.2mm ARC, tempered glass |
| Junction box | IP68 / 3 diodes |
| Output cables | 4mm ² (IEC), Length: 350-1200mm (vertical)* Cable length may vary depending on the installation method |

P-V CURVE



DIMENSIONS



TEMPERATURE CHARACTERISTICS

| | |
|---|--------------|
| Pmax temperature coefficient | -0.35% / °C |
| Voc temperature coefficient | -0.27% / °C |
| Isc temperature coefficient | +0.05% / °C |
| Operating temperature | -40 ~ + 80°C |
| Nominal operating cell temperature (NOCT) | 45 ± 2°C |

PACKING CONFIGURATION

| | |
|----------------------|-------|
| Container | 40'HQ |
| Pieces per pallet | 32 |
| Pieces per container | 620 |