



MADE IN EUROPE



Monocrystalline Photovoltaic Module

Glass Glass 300 - 530 W

RL SDM60 | RL BPM60 | RL BPM72 | TEN HCD 144



Italian production plant
assembling with european components



Ultra-robust module
40 mm frame thickness



Customized production
Framed | Frameless



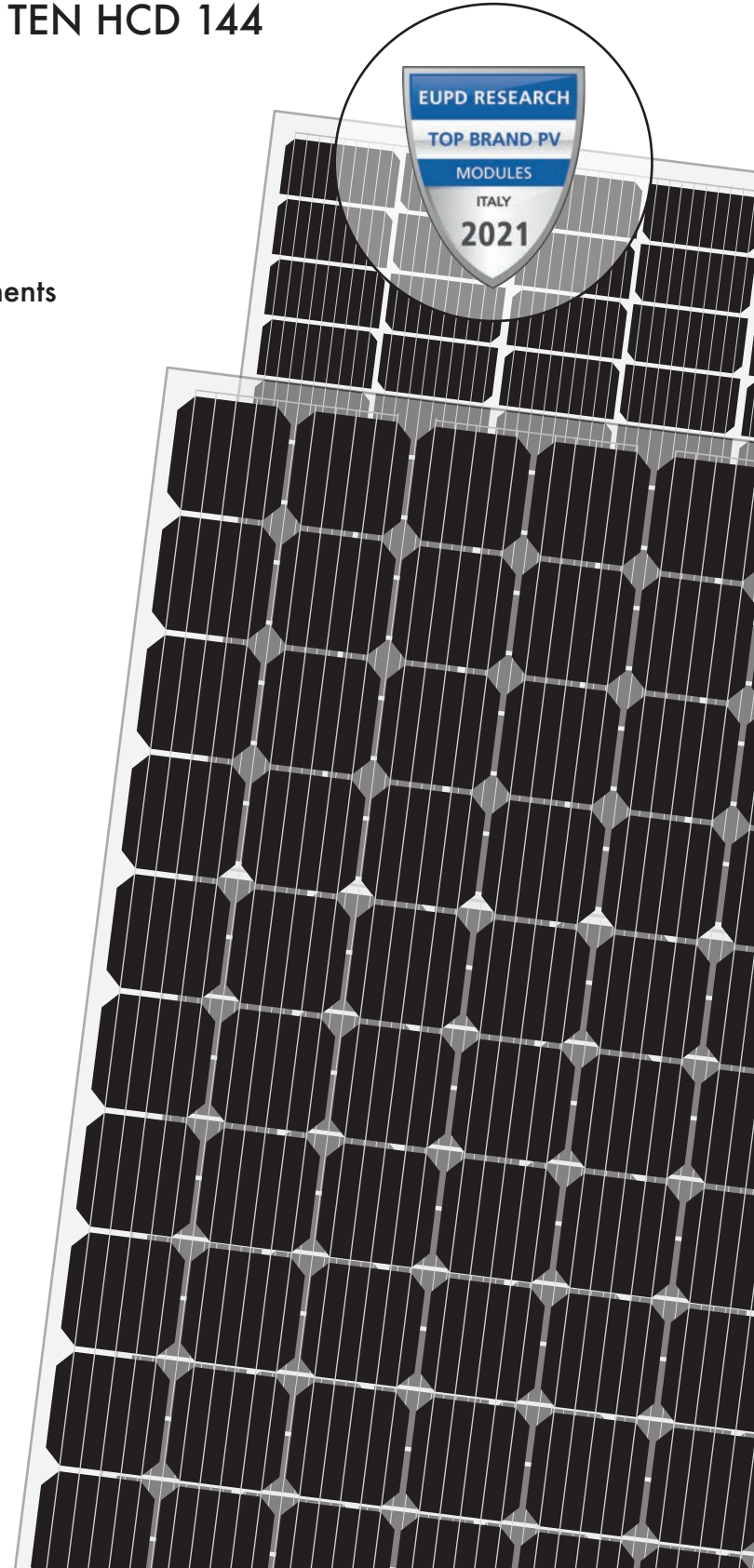
Positive tolerance in our
modules with **0/+5 wp**



Staübli connectors
upon request



www.solarday.it



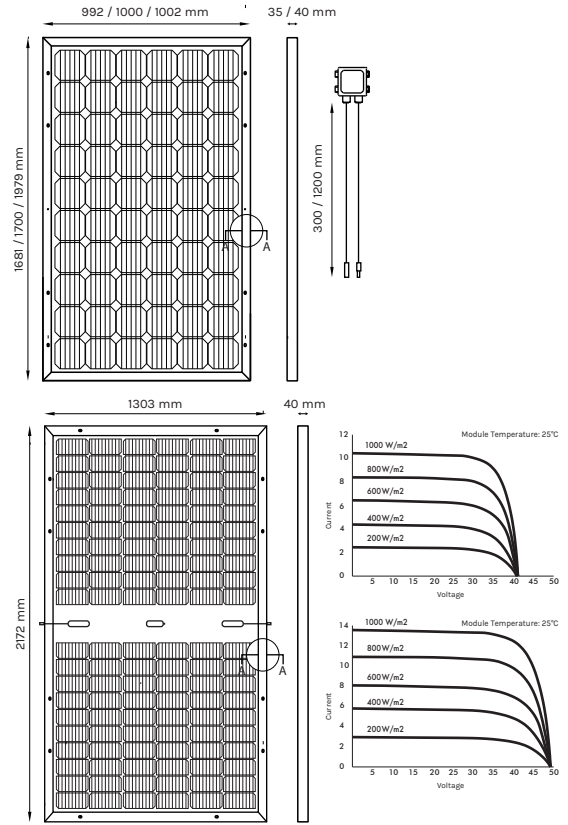
Monocrystalline Photovoltaic Module

Glass Glass 300 - 530 W_{RL SDM60} | _{RL BPM60} | _{RL BPM72} | _{TEN HCD144}



TECHNICAL FEATURES

| | |
|-----------------------|--|
| Cells: | 60 (6x10) - 72 (6x12) - 144 (6x24) Monocrystalline Silicon PERC |
| Available in: | <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin: 2px;">M3 Squared cells</div> <div style="border: 1px solid black; padding: 2px; margin: 2px;">M2 Cut cells</div> <div style="border: 1px solid black; padding: 2px; margin: 2px;">M10 Half cut</div> </div> |
| Frontal Glass: | Low iron glass - Thickness 2,1 mm Capa ARC < 20000 cd/m ² Frontal load (snow) 5400 Pa - Back load (wind) 2400 Pa |
| Back Glass: | Low iron glass - Thickness 2,1 mm Capa ARC < 20000 cd/m ² Frontal load (snow) 5400 Pa - Back load (wind) 2400 Pa |
| Encapsulant: | EVA (Etilen Vinil Acetato) |
| Frame: | Black anodized aluminum 15 micron Grounding holes (For more information please contact our sales team) |
| Junction Box: | IP67/IP68 - 1500 V with 3 by pass diodes Cables length 300/1200 mm - Section: 4,0 mm ² ± 1% tolerance Fire Class 1 approval (UNI 9177) |
| Connectors: | MC4 or compatible connector |



WEIGHT, DIMENSIONS AND PACKAGING

| | |
|---------------------|--|
| RL SDM60: | 22 Kg 1681 mm x 992 mm x 35 mm 27pcs Pallet 810 pcs track |
| RL BPM60: | 22 Kg 1700 mm x 1000 mm x 35 mm 27pcs Pallet 810 pcs track |
| RL BPM72: | 24 Kg 1979 mm x 1002 mm x 40 mm 27pcs Pallet 702 pcs track |
| TEN HCD 144: | 35,3 Kg 2172 mm x 1303 mm x 40 mm 27pcs Pallet 486 pcs track |

ELECTRICAL CHARACTERISTICS*

| | RL SDM60 300W | RL BPM60 330W | RL BPM72 400W | TEN HCD 144 530W |
|----------------------------|--------------------------|--------------------------|--------------------------|-----------------------------|
| P_{max} (W) | 300 | 330 | 400 | 530 |
| Tolerance | 0/+5 W | 0/+5 W | 0/+5 W | 0/+5 W |
| V_{mpp} (V) | 32.06 | 33.24 | 41.30 | 41.64 |
| I_{mpp} (A) | 9.36 | 9.93 | 9.69 | 12.73 |
| V_{oc} (V) | 40.12 | 40.72 | 50.39 | 49.65 |
| I_{sc} (A) | 9.73 | 10.48 | 10.26 | 13.48 |
| V | 1500 | 1500 | 1500 | 1500 |
| Eff (%) | 18.44 | 19.78 | 20.17 | 20.51 |
| A | 15 | 15 | 15 | 15 |

*NOTE: Read the instruction manual of this product and follow the indications STC. Values are valid for: 1000W/m², AM 1.5 and cells temperature of 25°C. Measurement tolerance +/-3% (AAA Solar simulation IEC 60.904-9). All the information of this brochure may be amended without notice by Solarday. Consult the installation manual for more information.

TEMPERATURE CHARACTERISTICS

| | | |
|---|--------------|---------------|
| Temperature Coeff. of Voc: | -0,31 % / °C | -0,275 % / °C |
| Temperature Coeff. of Isc: | +0,04 % / °C | +0,05 % / °C |
| Temperature Coeff. of P_{max}: | -0,42 % / °C | -0,350 % / °C |

OPERATIVE CHARACTERISTICS

| | |
|-------------------------------|---------------------|
| Operating Temperature: | from -40°C a +85°C |
| Hailstorm Resistance: | Ø 28 mm, 86 Kg/h |
| NMOT*: | 43 ± 2°C 44 ± 2°C |

*Nominal Module Operating Temperature: Irradiance 800W/m²; Air 20°C; Wind speed 1m/s

WARRANTIES

20 YEARS
Product Warranty

25 YEARS
Linear Warranty

PREMIUM
+5

SOLARDAY CERTIFICATES

IEC 61215:2016 | EN 61730-1:2016 | EN 61730-2:2016
UNI 9177 Class 1 Fire Class | FIRE TEST MST23 CLASSE C
IEC 62716:2013 | IEC 61701:2011
ECOEM

UNI EN ISO 9001:2015
UNI EN ISO 14001:2015
UNI EN ISO 45001:2018
CE

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