



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
35/40 mm frame thickness



Customized production
Framed | Frameless



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



Stäubli connectors
upon request



 **SundaHus**



www.solarday.it

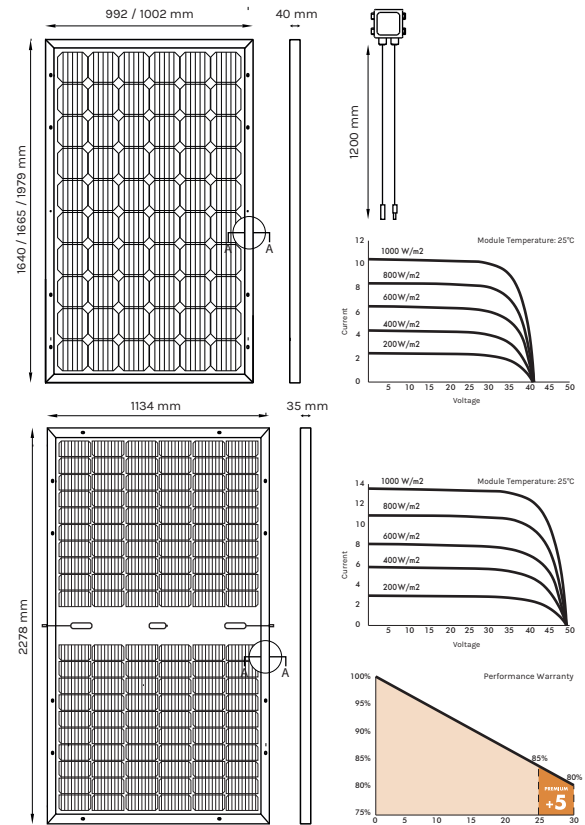
Monocrystalline Photovoltaic Module

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; gap: 10px;"> <div style="border: 1px solid black; padding: 2px 5px;">M3</div> <div style="border: 1px solid black; padding: 2px 5px;">M2</div> <div style="border: 1px solid black; padding: 2px 5px;">M10</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/Silver 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 900/1200/1400 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:	18 Kg 1640 mm x 992 mm x 40 mm 27 pcs pallet 864 pcs truck
RL BPM60:	19 Kg 1665 mm x 1002 mm x 40 mm 27 pcs pallet 810 pcs truck
RL BPM72:	22 Kg 1979 mm x 1002 mm x 40 mm 27 pcs pallet 702 pcs truck
TEN HCD 144:	31 Kg 2278 mm x 1134 mm x 35 mm 35 pcs pallet 770 pcs truck

ELECTRICAL CHARACTERISTICS*

	RL SDM60 300W	RL BPM60 330W	RL BPM72 400W	TEN HCD 144 530W
Peak power: P_{max} (W)	300	330	400	530
Classification tolerance:	0/+5 W	0/+5 W	0/+5 W	0/+5 W
Voltage P_{max}: V_{mpp} (V)	32.06	33.24	41.30	41.57
Current P_{max}: I_{mpp} (A)	9.36	9.93	9.69	12.75
Open circuit voltage: V_{oc} (V)	40.12	40.72	50.39	49.63
Short-circuit current: I_{sc} (A)	9.73	10.48	10.26	13.50
Maximum system voltage: (V)	1500	1500	1500	1500
Module efficiency: (%)	18.44	19.78	20.17	20.51
Maximum fuse rating: (A)	15	15	15	25

*STC values: 1000W/m², AM 1.5, temperature 25°C. Measurement tolerance +/-3% (AAA Solar simulation - IEC 60.904-9).

TEMPERATURE CHARACTERISTICS

Temperature Coeff. of V_{oc}:	-0,31 % / °C	-0,27 % / °C
Temperature Coeff. of I_{sc}:	+0,04 % / °C	+0,05 % / °C
Temperature Coeff. of P_{max}:	-0,39 % / °C	-0,35 % / °C

OPERATIVE CHARACTERISTICS

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

*Nominal Module Operating Temperature: Irradiance 800W/m², Temperature 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

Read the instruction manual for this product before proceeding with the installation. All information in this brochure can be changed without notice by Solarday.

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