



EUROPEAN QUALITY



Monocrystalline Photovoltaic Module

Half Cut 530 - 550 W

TEN HC 144



Italian engineering & design
Extended warranties



Ultra-robust module
35 mm frame thickness



Customized production
All Black | Translucent | Standard



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



Staübli connectors
upon request



www.solarday.it

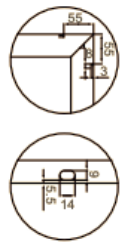
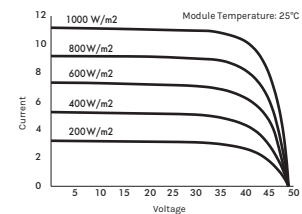
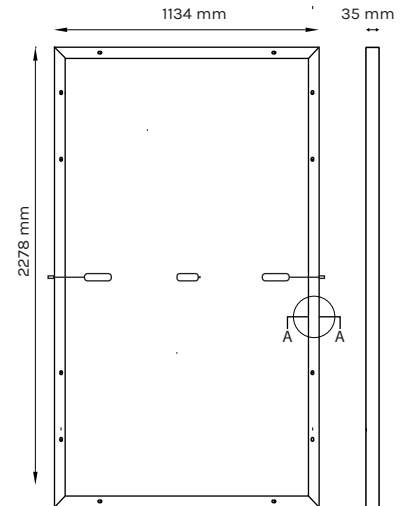
Monocrystalline Photovoltaic Module

Half Cut 530 - 550 W TEN HC 144



TECHNICAL FEATURES

Cells:	144 (6x24) Monocrystalline Silicon Available in: Half cut
Frontal Glass:	Glass with low iron content - thickness 3,2 mm Capa ARC < 20000 cd/m2 Frontal load (snow) 5400 Pa - Back load (wind) 2400 Pa
Encapsulant:	EVA (Etilen Vinil Acetato)
Backsheet:	Polymer sheet
Frame:	Black/Silver anodized aluminum 15 micron Grounding holes (For more information please contact our sales team)
Junction Box:	IP68 - 1500 V with 3 by pass diodes Cables length 300 mm - Section: 4,0 mm ² ± 1% tolerance Fire Class 1 approval (UNI 9177)
Connectors:	MC4 or compatible connector



WEIGHT, DIMENSIONS AND PACKAGING

31 Kg | 2278 mm x 1134 mm x 35 mm | 31 pcs Pallet | 620 pcs track

ELECTRICAL CHARACTERISTICS *

	TEN HC 144 530W	TEN HC 144 540W	TEN HC 144 550W
Pmax (W)	530	540	550
Tolerance	0/+3 W	0/+3 W	0/+3 W
Vmpp (V)	41.64	42.09	42.54
Imp (A)	12.73	12.83	12.93
Voc (V)	49.65	49.91	50.34
Isc (A)	13.48	13.58	13.68
V	1500	1500	1500
Eff (%)	20.51	20.9	21.3
A	20	20	20

*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:	-0,275 % / °C
Temperature Coeff. of Isc:	+0,05 % / °C
Temperature Coeff. of Pmax:	-0,350 % / °C

OPERATIVE CHARACTERISTICS

Operating Temperature:	from -40 °C a + 85 °C
Hailstorm Resistance:	Ø 25 mm, 86 Kg/h
NMOT*:	43 ± 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

Office (ES)

Carrer de les Garrigues 17 p.1
46001 Valencia, España
contact@solarday.it +34962071775

Office (IT)

Via privata Antonio Meucci 67
20128 Milano, Italy
contact@solarday.it +39022594171

Factory

Località Merlaro 1, 25070
Nozza di Vestone (BS), Italy
contact@solarday.it