



EUROPEAN QUALITY



Monocrystalline Photovoltaic Module

Half Cut 390 - 410 W

TEN HC



108 cells | M10 Technology



Italian engineering & design
Extended warranties



Ultra-robust module
30/35 mm frame thickness



Customized production
All Black | Translucent | Standard

+5

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



Stäubli connectors
upon request



 **SundaHus**



www.solarday.it

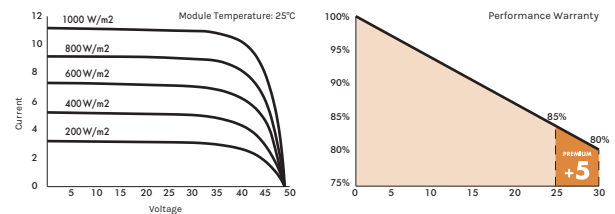
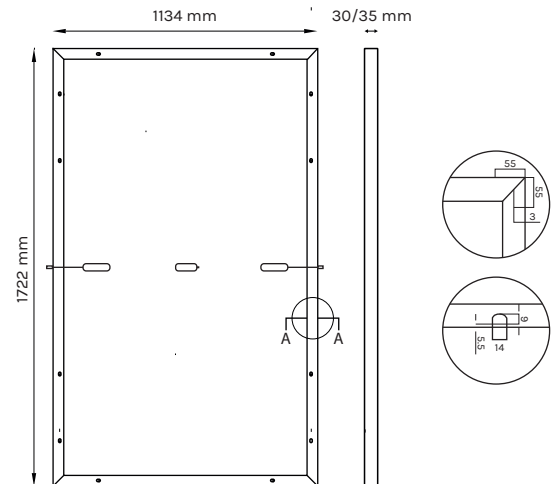
Monocrystalline Photovoltaic Module

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TECHNICAL FEATURES

Cells:	108 (6x18) Monocrystalline Silicon
Available in:	
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 white/black
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 1000/1200 mm Section: 4,0 mm ² ± 1% tolerance Fire Class 1 approval (UNI 9177)
Connectors:	MC4 or compatible connector



WEIGHT, DIMENSIONS AND PACKAGING

22,5 Kg | 1722 mm x 1134 mm x 30/35 mm | 36/30 pcs pallet | 936/840 pcs truck

ELECTRICAL CHARACTERISTICS *

	TEN HC 390W	TEN HC 395W	TEN HC 400W	TEN HC 405W	TEN HC 410W
Peak power: P_{max} (W)	390	395	400	405	410
Classification tolerance:	0/+5 W	0/+5 W	0/+5 W	0/+5 W	0/+5 W
Voltage P_{max}: V_{mpp} (V)	30.79	31.03	31.28	31.52	31.76
Current P_{max}: I_{mp} (A)	12.67	12.73	12.79	12.85	12.91
Open circuit voltage: V_{oc} (V)	36.69	36.93	37.18	37.42	37.66
Short-circuit current: I_{sc} (A)	13.42	13.48	13.54	13.60	13.66
Maximum system voltage: (V)	1500	1500	1500	1500	1500
Module efficiency: (%)	19.97	20.22	20.48	20.74	20.99
Maximum fuse rating: (A)	25	25	25	25	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}:	-0,27 % / °C
Temperature Coeff. of I_{sc}:	+0,05 % / °C
Temperature Coeff. of P_{max}:	-0,35 % / °C

OPERATIVE CHARACTERISTICS

Operating Temperature:	from -40 °C to +85 °C
Hailstorm Resistance:	Ø 25 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

NOT FOR ITALIAN FEED-IN TARIF

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

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
info@solarday.it +39022594171

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