



SCAN ME
TO WATCH
TEST VIDEO

TÜV Certified Resistance to PID

TÜV Certified Resistance to Ammonia

TÜV Certified Resistance to Salt Spray



Wind Test



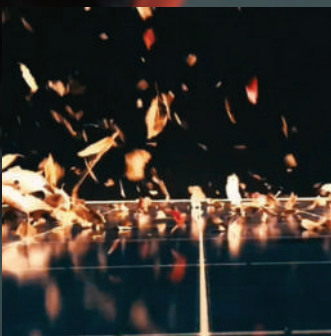
Hail Test



Water Test



Fire Test



Wind Load Test
IEC61215 TUV Standard

Load 5400Pa Wind in
front of Solar Module

To guarantee module
can work well under
strong wind weather.



Hail Hit Test
VDE Switzerland level

Ice ball which size is
over 40mm large hits
the front of solar panel
with 98km/h speed.

To guarantee module
can survive after hail
hits.



Waterproof Test
IEC61730 TUV Standard

Immerse the module
fully in the simulation of
nature heavy storm.

To guarantee module
be water resistant in
rainy season.



Fire Test
IEC61730 TUV Standard

Fire on the front of
module at extreme high
temperature for more
than two minutes.

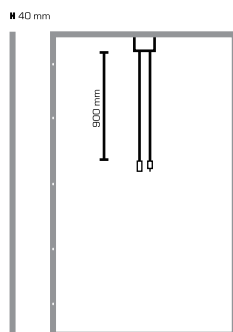
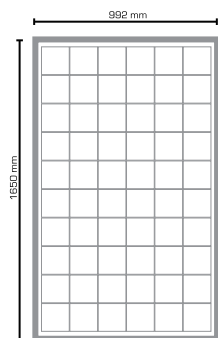
To make sure that mate-
rial will not melt when
the module in burning.



ELECTRICAL DATA

All technical data at standard test condition AM=1.5 E=1000/m² TC=25°C

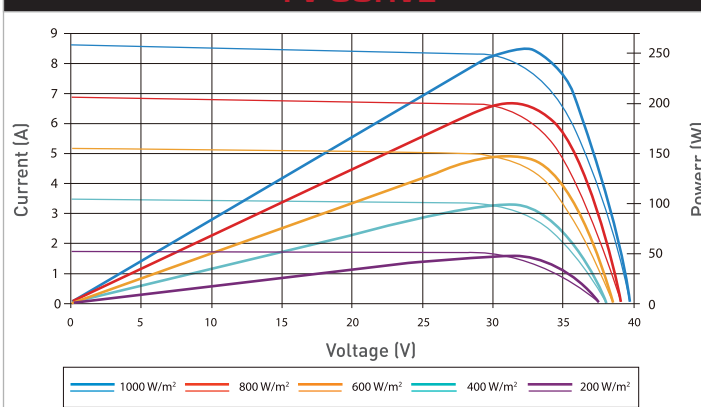
Module Type	BLACK	HS250M-30D	HS255M-30D	HS260M-30D	HS265M-30D	HS270M-30D	HS275M-30D
Peak Power	Pmax	250W	255W	260W	265W	270W	275W
Cell Efficiency	η	18.6%	18.8%	19.0%	19.2%	19.4%	19.6%
Panel Efficiency	η	15.3%	15.5%	15.7%	15.9%	16.1%	16.3%
Rated Voltage	Vmpp	30.7V	31.1V	31.5V	31.9V	32.0V	32.3V
Rated Current	Impp	8.15A	8.20A	8.26A	8.31A	8.43A	8.52A
Open Circuit Voltage	Voc	37.9V	38.3V	38.8V	39.3V	38.6V	38.7V
Short Circuit Current	Isc	8.60A	8.64A	8.67A	8.70A	9.07A	9.16A
Series Fuse Rating		20A	20A	20A	20A	20A	20A
Maximum System Voltage	TÜV		1000V DC				
Temperature Coefficients	Power(P)		-0.43%/°C	Voltage(Voc)	-0.32%/°C	Current(Isc)	0.05%/°C
NOCT			45°C +/- 2°C				



MECHANICAL CHARACTERISTICS

Solar Cell	monocrystalline [156 x 156 mm]
Cells Quantity	60 [6 x 10]
Dimensions	1650 x 992 x 35 mm
Weight	19.5 kg
Glass	3.2 mm tempered glass
Frame	anodized aluminium alloy
Junction Box	TÜV Certified IP67 / IP65
Output Cables	900 mm / 4.0 mm²

I-V CURVE



WARRANTY & CERTIFICATES

Warranty period	12 years
Guaranteed power output	12 years: 90% of nominal power rating 25 years: 80% of nominal power rating
Certificates	TÜV, IEC 61215, IEC 61730, CE, ISO, CEC:Fire Texted, UL, Energie Effizienz

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