



25
YEARS
80% of NPR

12
YEARS
90% of NPR

12
YEARS
PRODUCT WARRANTY



CUSTOMIZED

Our rich experience & know-how can support your customized project for BIPV and special modules. Our Team will work close to you to realize your next outstanding design.



HIGHEST ROI

Hanover Solar modules are built with the best technology. The highest efficiency and all plus tolerance of our modules will improve your ROI.



COMPATIBLE FIS

Our modules are equipped with a special frame compatible with Fast Installation System. FIS will help to reduce installation time and cost.



✓ TÜV Certified Resistance to Salt Spray

✓ TÜV Certified Resistance to PID



✓ TÜV Certified Resistance to Ammonia



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Bundesministerium
für Wirtschaft
und Technologie



ISTITUTO
GIORDANO

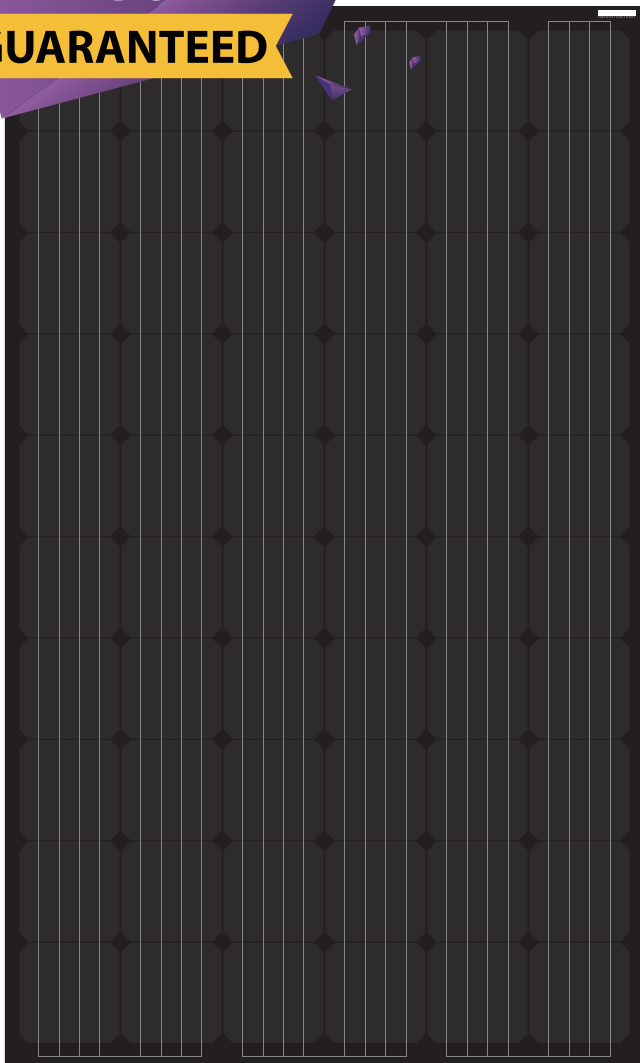




**MONO
BLACK**

**25
Year**

GUARANTEED



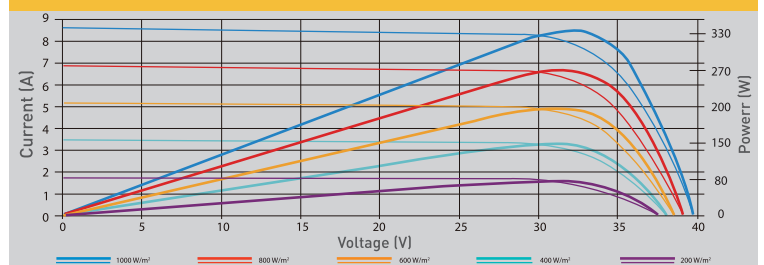
ELECTRICAL DATA

Item No.	Pmax	Vmpp	Imp	Voc	Isc
HS330M-30D	330W	38.64V	9.52A	44.32V	9.82A
HS320M-30D	320W	34.01V	9.41A	41.55V	9.77A
HS310M-30D	310W	33.13V	9.36A	40.73V	9.74A
HS300M-30D	300W	32.54V	9.22A	40.11V	9.61A
HS290M-30D	290W	31.98V	9.07A	39.58V	9.46A
HS280M-30D	280W	31.64V	8.58A	39.24V	9.24A
HS270M-30D	270W	32.03V	8.43A	38.60V	9.09A

MECHANICAL CHARACTERISTICS

Solar Cell	monocrystalline (156 x 156 mm)
Cells Quantity	60 (6 x 10)
Dimensions	1650 x 992 x 40 / 35 mm
Glass	3.2 mm tempered glass
Frame	black anodized aluminium alloy
Junction Box	TÜV Certified IP68
Series Fuse Rating	20A
Maximum System Voltage	1500V DC TÜV
Output Cables	1100 mm / 4.0 mm ²
Test Standard Condition	AM=1.5 E=1000/m ² TC=25°C
NOCT	45°C +/- 2°C
Temperature Coefficients:	Pmax -0.43%/°C; Voc -0.32%/°C; Isc 0.05%/°C

I-V CURVE



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MONO

25
Years

GUARANTEED

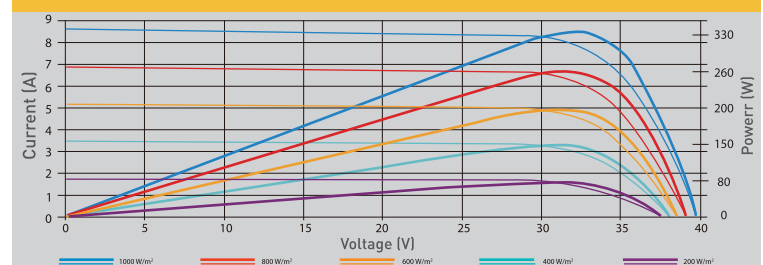
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HS270M-30D	270W	32.03V	8.43A	38.60V	9.09A

MECHANICAL CHARACTERISTICS

Solar Cell	monocrystalline (156 x 156 mm)
Cells Quantity	60 (6 x 10)
Dimensions	1650 x 992 x 40 / 35 mm
Glass	3.2 mm tempered glass
Frame	anodized aluminium alloy
Junction Box	TÜV Certified IP68
Series Fuse Rating	20A
Maximum System Voltage	1500V DC TÜV
Output Cables	1100 mm / 4.0 mm ²
Test Standard Condition	AM=1.5 E=1000W/m ² TC=25°C
NOCT	45°C +/- 2°C
Temperature Coefficients:	Pmax -0.43%/°C; Voc -0.32%/°C; Isc 0.05%/°C

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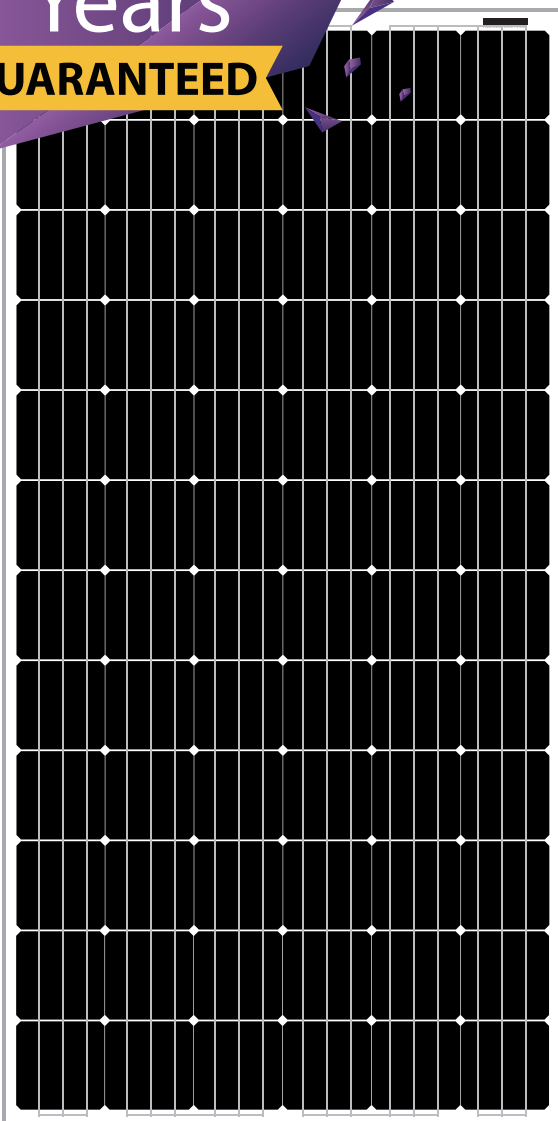
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MONO
330-400

25
Years

GUARANTEED



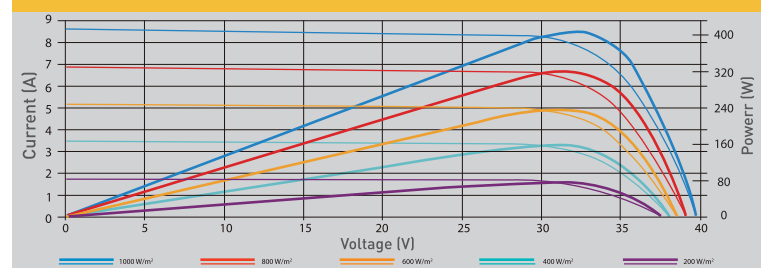
ELECTRICAL DATA

Item No.	Pmax	Vmpp	Impp	Voc	Isc
HS400M-30D	400W	42.05V	9.50A	51.05V	9.85A
HS390M-30D	390W	41.26V	9.45A	50.20V	9.81A
HS380M-30D	380W	40.35V	9.42A	49.22V	9.78A
HS370M-30D	370W	39.41V	9.39A	48.21V	9.76A
HS360M-30D	360W	38.59V	9.33A	47.60V	9.73A
HS350M-30D	350W	38.27V	9.12A	47.39V	9.52A
HS340M-30D	340W	38.08V	8.93A	47.22V	9.31A
HS330M-30D	330W	37.40V	8.83A	46.90V	9.01A

MECHANICAL CHARACTERISTICS

Solar Cell	monocrystalline (156 x 156 mm)
Cells Quantity	72 (6 x 12)
Dimensions	1956 x 992 x 40 mm
Glass	3.2 mm tempered glass
Frame	anodized aluminium alloy
Junction Box	TÜV Certified IP68
Series Fuse Rating	20A
Maximum System Voltage	1500V DC TÜV
Output Cables	1100 mm / 4.0 mm ²
Test Standard Condition	AM=1.5 E=1000/m ² TC=25°C
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