

HET-540-560M8S72AH

PERC^{G4} Half Cut Solar Cell 182*91mm
Monocrystalline Solar Module

144 cells
Monocrystalline

540-560 _w
Output Range

21.67 %
Max Efficiency

0~5 _w
Output Guarantee



Half-cut cell design brings higher efficiency

- Optimized power output under inter-row shading conditions
- Low thermal coefficients for higher energy yield at elevated operating temperatures
- Reduced interconnection losses



10Bus-Bar technology decreases the distance between bus bars and finger grid line which is benefit to power increase.



Excellent PID resistance

Excellent low irradiance performance



Higher lifetime Power Yield

1% first year degradation, 0.4% linear degradation.



Dual stage 100% EL inspection warranting defect-free product.



Warranted reliability and stringent quality assurances well beyond certified requirements.

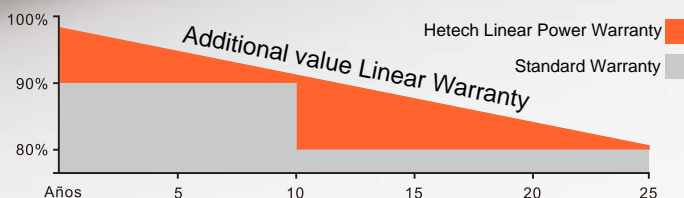


Certified to withstand severe environmental conditions

- Anti-reflective & anti-soiling surface minimise power loss from dirt and dust
- Severe salt mist, ammonia & blown sand resistance, for seaside, farm and desert environments
- Excellent mechanical load 2400Pa & snow load 5400Pa resistance



LINEAR PERFORMANCE WARRANTY



ISO9001
ISO14001
OHSAS18001
IEC TS 62941



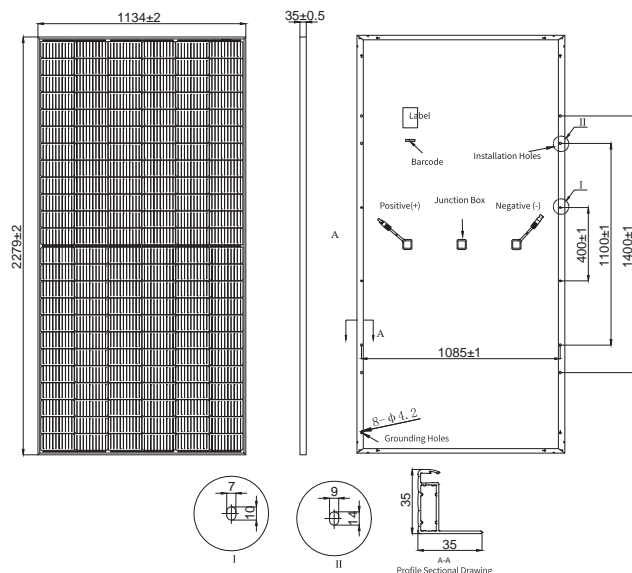
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HET-540-560M8S72AH PERC^{G4}

MECHANICAL CHARACTERISTICS

Dimensions	2279x1134x35mm(LxWx H)
Weight	28kg
Front Glass	3.2mm high transmission tempered glass
Encapsulation	EVA
Cells	144pcs 182x91mm Monocrystalline solar cells
Backsheet	Composite film
Frame	Anodized aluminum profile
Junction Box	Rated current:25A,IP68,TUV
Cable	Length Negative 400mm/Positive 300mm
Connector	Compatible with MC4



ELECTRICAL CHARACTERISTICS AT STANDARD TEST CONDITIONS(STC)

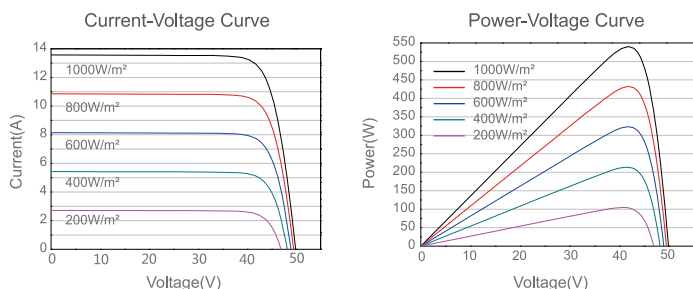
Module Type :	HET-540M8S72AH	HET-545M8S72AH	HET-550M8S72AH	HET-555M8S72AH	HET-560M8S72AH
Max Power-Pm [W]	540	545	550	555	560
Open Circuit Voltage-Voc[V]	49.60	49.75	49.90	50.02	50.21
Short Circuit Current-Isc[A]	13.86	13.93	14.00	14.07	14.13
Max Power Voltage-Vmp[V]	41.64	41.80	41.96	42.11	42.27
Max Power Current-Imp[A]	12.97	13.04	13.11	13.18	13.25
Module Efficiency-p[%]	20.90	21.10	21.30	21.50	21.67

ELECTRICAL CHARACTERISTICS AT NOCT

Module Type :	HET-540M8S72AH	HET-545M8S72AH	HET-550M8S72AH	HET-545M8S72AH	HET-550M8S72AH
Max Power-Pm [W]	408	412	416	420	423
Open Circuit Voltage-Voc[V]	46.43	46.55	46.68	46.85	47.03
Short Circuit Current-Isc[A]	11.09	11.13	11.17	11.21	11.36
Max Power Voltage-Vmp[V]	38.99	39.20	39.43	39.66	39.82
Max Power Current-Imp[A]	10.47	10.51	10.55	10.59	10.63

- Note:1.Standard Test Conditions[STC]:irradiance 1000W/M2 ; >AM1.5;ambient temperature 25°C according to EN 60904-3;
 2.Normal Operating Cell Temperature[NOCT]:irradiance 800W/m2 ; wind speed 1m/s , cell temperature 45 °C ; ambient temperature 20°C.
 3.Tolerance Of Pm:0~ + 5%,measuring uncertainty of power:±3%,performance deviation of Voc[V],Isc[A],Vm[V] and Im[A]:±5%.

IV CURVE



WORKING CONFIGURATION

NOCT	45°C (±2°C)
Temperature coefficient of Voc	-0.29%/°C
Temperature coefficient of Isc	0.033%/°C
Temperature coefficient of Pm	-0.39%/°C
Max system voltage[V]	1000V/1500V DC
Series fuse rating [A]	25
Max surface load capacity[Pa]	5400
Temperature range[°C]	-40 to +85
Withstanding hail	Max diameter of 45mm/30.7m.s-1

PACKAGING CONFIGURATION

Container type	40HQ
No. of modules per container	620
No. of modules per pallet	31
No. of pallets per container	20
Packaging box size (LxWxH)[mm]	2300x1145x1260
Box gross weight[kg]	930

