

SHARK SERIES

DK5/72H 535-555W

PERC Monocrystalline Half-cut Cell Solar Module



Nondestructive Scribing Technology

Special cutting and soldering technology leads to low hotspot risk



Excellent weak light performance

More power output in weak light condition, such as cloudy, morning and sunset



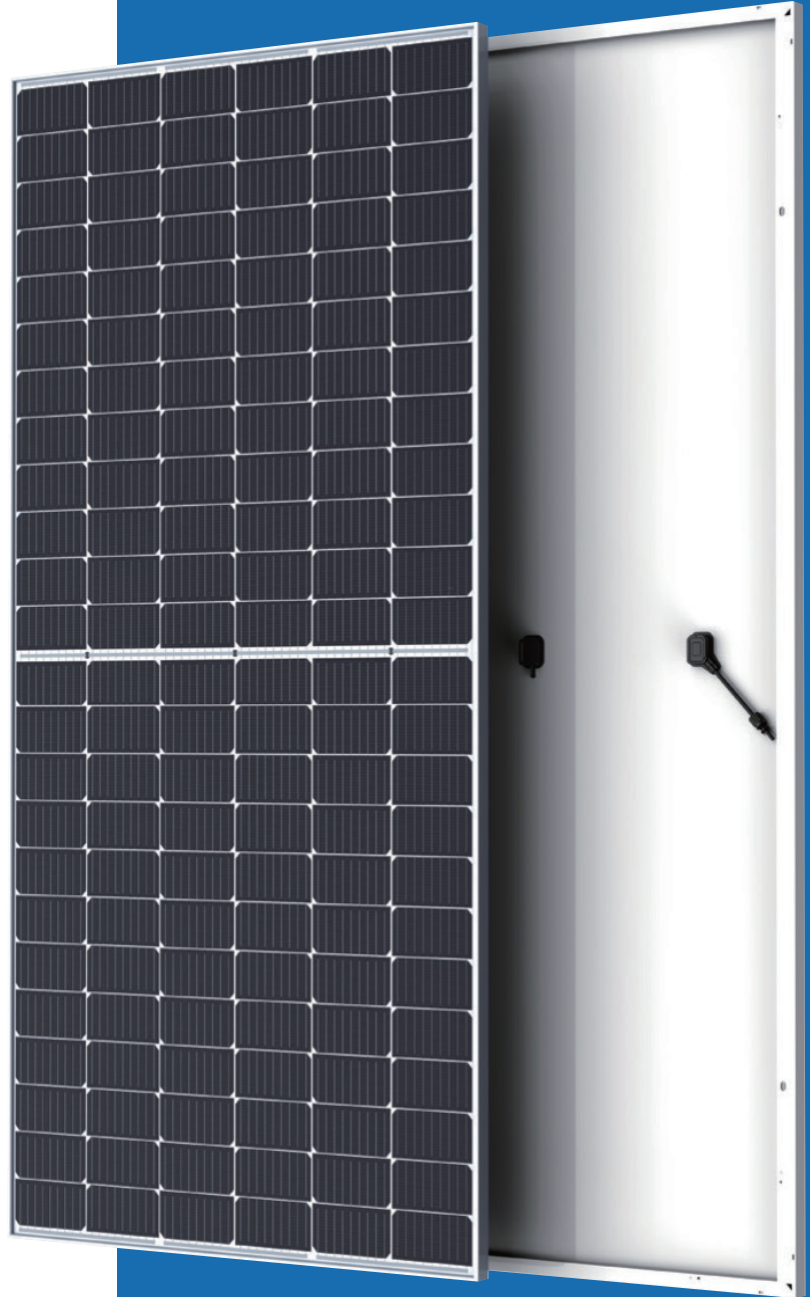
Better Micro Crack Resistance

Minimize the impact by micro crack by limiting cell damage and potentially extending area



PID Resistance

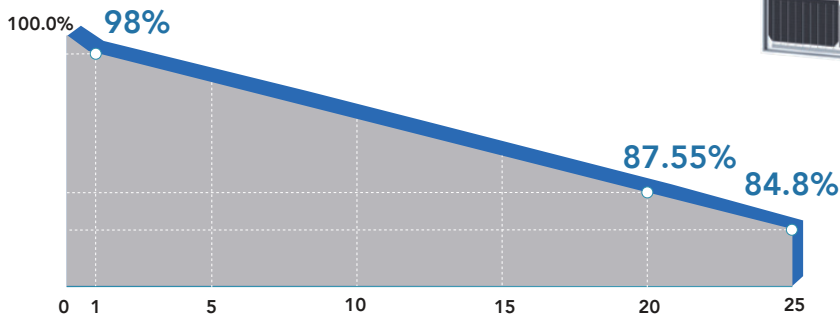
According to IEC TS 62804-1



Linear Performance Warranty

$\leq 2\%$ 1st year Degradation

$\leq 0.55\%$ Annual Degradation



12 Years Product Warranty

25 Years Linear Power Warranty

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IEC61215/61730:2016
IEC62804(PID free)
IEC62716(Ammonia)
IEC61701(Salt fog)
ISO9001/14001/45001

ELECTRICAL CHARACTERISTICS

Module Type	JHM5/72H535		JHM5/72H540		JHM5/72H545		JHM5/72H550		JHM5/72H555	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Peak Power (Pmax) (W)	535	396	540	400	545	404	550	408	555	412
Maximum Power Voltage (Vmp) (V)	41.6	37.6	41.8	37.7	42.0	37.8	42.2	38.0	42.4	38.2
Maximum Power Current (Imp) (A)	12.86	10.55	12.92	10.62	12.98	10.68	13.03	10.75	13.10	10.78
Open-circuit Voltage (Voc) (V)	49.4	45.7	49.5	45.8	49.6	45.9	49.7	46.0	49.8	46.1
Short-circuit Current (Isc) (A)	13.79	11.16	13.86	11.22	13.93	11.28	14.00	11.33	14.07	11.37
Module Efficiency	20.70%		20.89%		21.10%		21.29%		21.48%	

*STC (Standard Test Condition): Irradiance 1000W/m², Cell Temperature 25°C, AM 1.5

*NMOT (Under Nominal Module Operating Temperature): Irradiance of 800W/m², Spectrum AM 1.5, Ambient Temperature 20°C, Wind Speed 1m/s

MECHANICAL CHARACTERISTICS

Cell Type	PERC Mono-Crystalline
Cell Arrangement	144pcs (2x(6x12))
Dimension (LxWxH)	2278x1134x35mm
Weight	28.5kg
Front Cover	3.2mm Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Cable	4mm ² /400mm(+)&200mm(-)
Connector	MC4 Compatible
Snow/Wind Load	5400Pa/2400Pa

OPERATING PARAMETERS

Power tolerance	0~+5W
Maximum System Voltage	1500V DC (IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	25 A
Protection Class	Class II

TEMPERATURE CHARACTERISTICS

Temperature coefficient of Pmax	-0.35%
Temperature coefficient of Voc	-0.26%
Temperature coefficient of Isc	0.036%
NMOT	44±2°C

PACKING MANNER

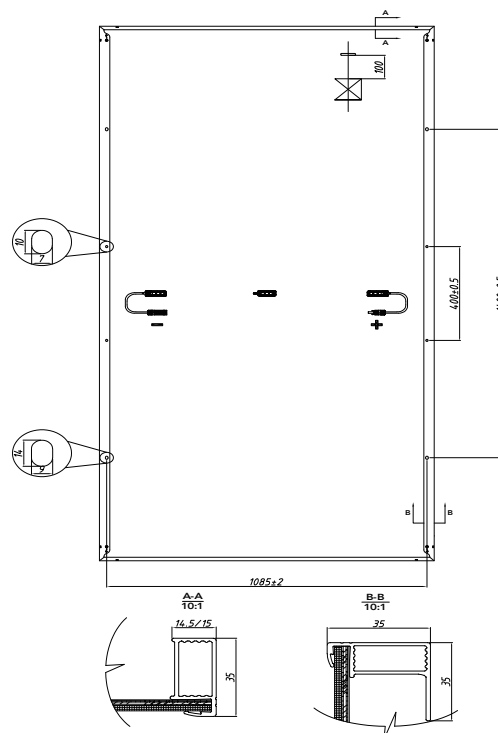
Packing Type	40HQ
Piece/Pallet	31
Pallet/Container	20
Piece/Container	620

*Power measurement tolerance: ±3%

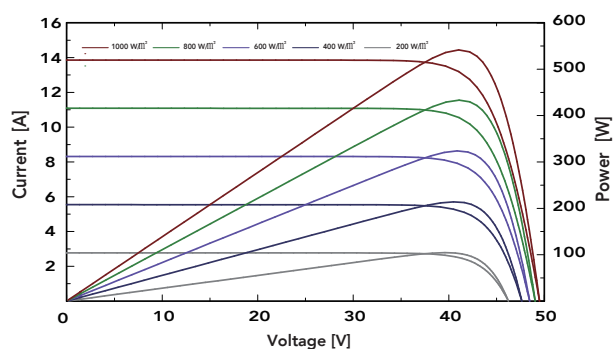
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Engineering Design

*Unit:mm



I-V/P-V Curve at Different Irradance (540W)



I-V Curve at Different Working Temperature (540W)

