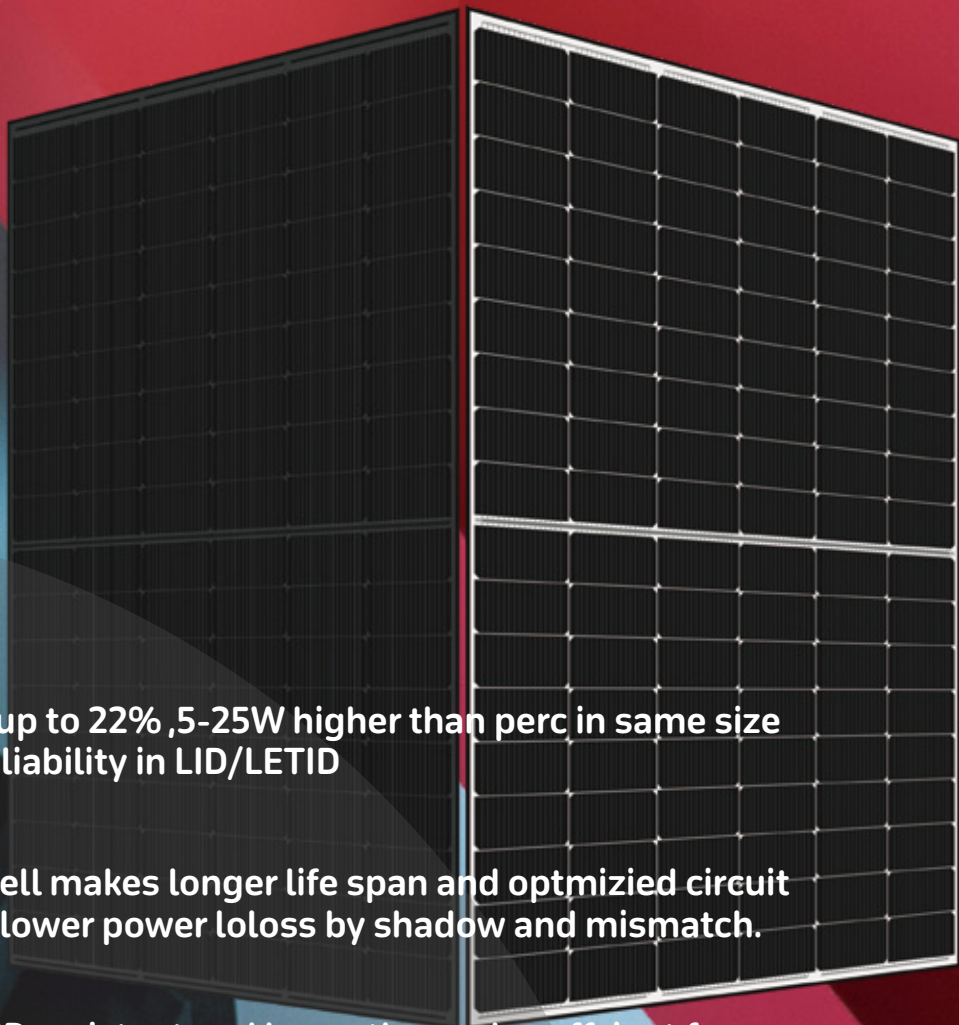


TOPCON 440W

Mono N-type half cut module



module up to 22% ,5-25W higher than perc in same size
better reliability in LID/LETID



N-type cell makes longer life span and optmized circuit
to make lower power loloss by shadow and mismatch.



highly PID resistant and lower thermal coeffcient for
higher power gerneration



12years products material and workmanship
30years linear power output warranty



Electrical Characteristics

Module Type	HS440-54-182 TC	
Testing Condition	STC	NOCT
Maximum Power (Pmax/W)	440	332
Open Circuit Voltage (Voc/V)	38.89	36.94
Short Circuit Current (Isc/A)	14.38	11.62
Voltage at Maximum Power (Vmp/V)	32.28	30.01
Current at Maximum Power (Imp/A)	13.64	11.07
Module Efficiency(%)	22.53	
STC: AM1.5 1000W/m ² 25°C NOCT: AM1.5 800W/m ² 20°C 1m/s Test uncertainty for Pmax: ±3%		

Mechanical Parameters

Cell Orientation	108 (6X18)
Junction Box	IP68, three diodes
Output Cable	4.0mm ² 400/400mm (custmized available)
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	20.8kg
Dimension	1722×1134×30mm
Packaging	36pcs per pallet
Container	216 pcs per 20'GP / 936 pcs per 40'HC

Temperature Coefficient

Temperature Coefficient of Isc	+0.060%/°C
Temperature Coefficient of Voc	-0.300%/°C
Temperature Coefficient of Pmax	-0.390%/°C

Mechanical Loading

Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	C25mm Hailstone at the speed of 23m/s

Operating Parameters

Operational Temperature	-40°C~+85°C
Power Output Tolerance	0~3%
Voc and Isc Tolerance	±3%
Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	25A
NOCT	44±2°C
Protection Class	Class II
Fire Rating	IEC Class C

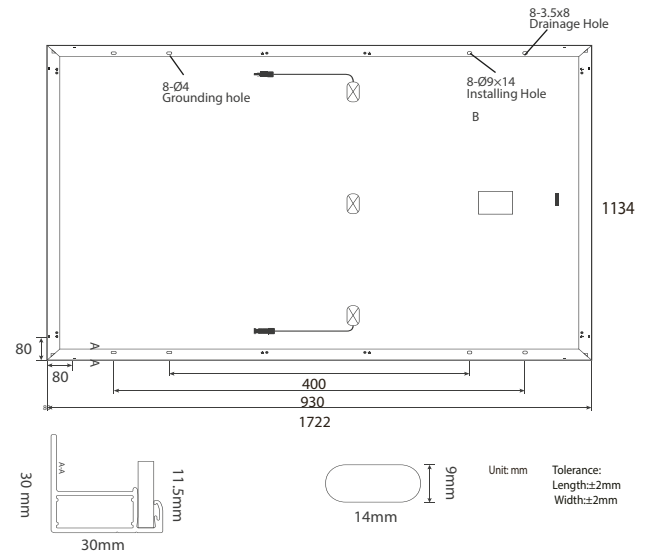
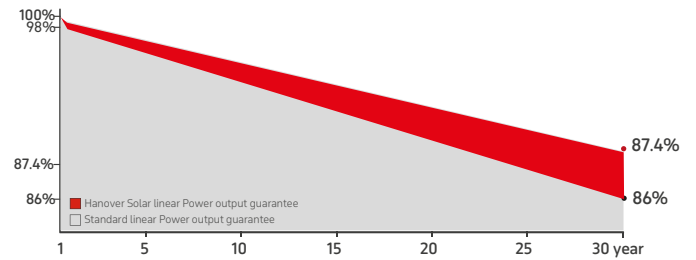


CAUTION: read the installation instruction before using the product.

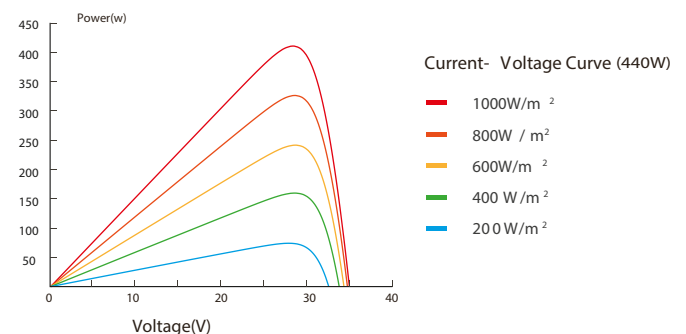
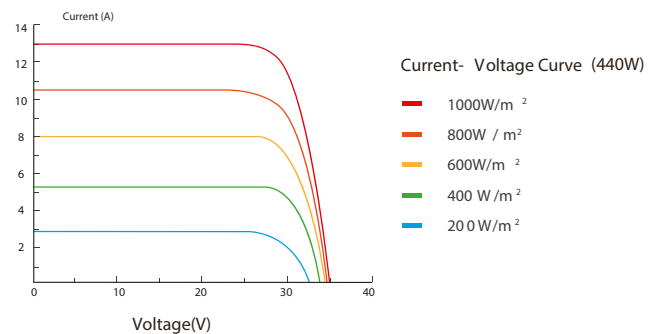
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Additional Value



I-V Curve



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