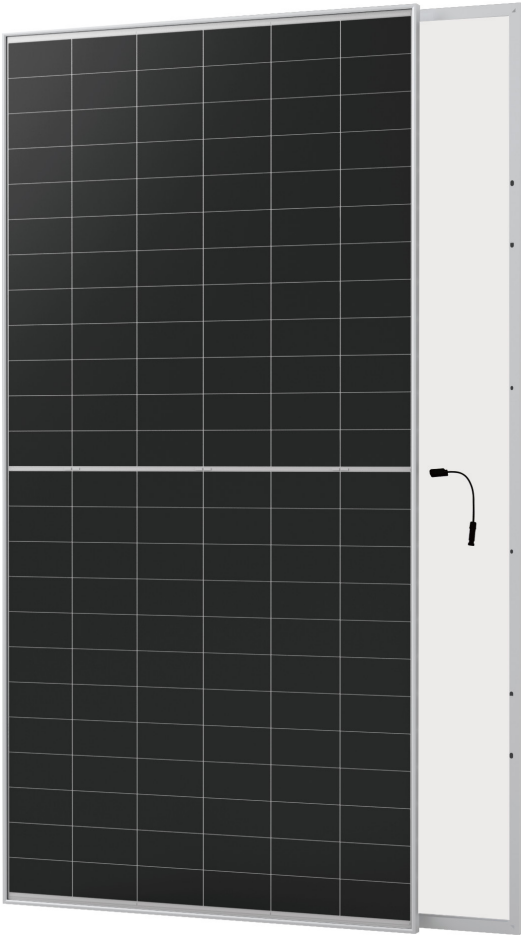


645~
670W

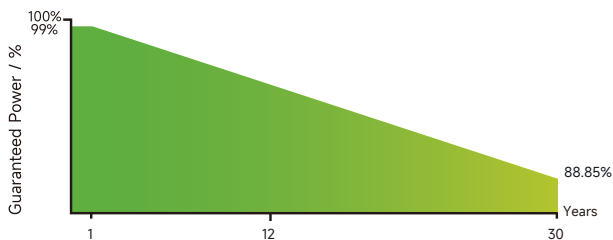
HY670-B144DSS



LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty

30 Year Linear Power Warranty



Hyper B72

N-HYBC, Mono-facial
144-cell, Back-contact
0~+3% positive tolerance

KEY FEATURES



Back-contact

Applying back contact technology, effectively improve optical utilization efficiency, Reduce internal current loss, Obtain higher output power



More Power

Industry leading N-HYBC technology applied to generate ultra-high power up to 670Wp with optimized temperature coefficient and lower working temperature



High Reliability

Strict outsourcing BOM materials quality control and 100% in-house wafer and the HYBC cell performance boost the power warranty to 30 Year



Excellent Low-light Performance

Advanced N-HYBC solarcell technology allows for excellent performance in low-light environments



Highly Strengthened Design

Certified to withstand 5400Pa snow load and 2400Pa wind load



PID Resistant

Excellent PID resistance performance optimized by unique cell process design and BOM material control



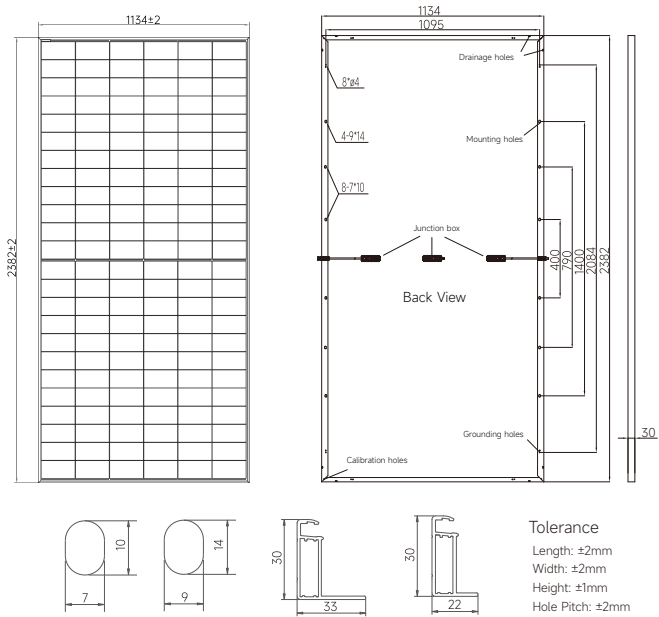
Fire resistance

Class of reaction to Class C

IEC 61215 (2016), IEC 61730 (2016)



Engineering Drawings



Electrical Characteristics

	HY645-B144DSS	HY650-B144DSS	HY655-B144DSS	HY660-B144DSS	HY665-B144DSS	HY670-B144DSS
Pmax(W)	645	650	655	660	665	670
Vmp(V)	45.05	45.14	45.24	45.33	45.43	45.52
Imp(A)	14.32	14.40	14.48	14.56	14.64	14.72
Voc (V)	53.70	53.84	53.97	54.10	54.23	54.36
Isc(A)	15.06	15.13	15.20	15.27	15.34	15.41
Module efficiency(%)	23.88	24.06	24.25	24.43	24.62	24.80
Maximum system voltage(V)	1500					
Fuse Rating(A)	30					
Temperature coefficient Pmax(°C)	-0.26					
Temperature coefficient Isc(°C)	0.05					
Temperature coefficient Voc(°C)	-0.22					

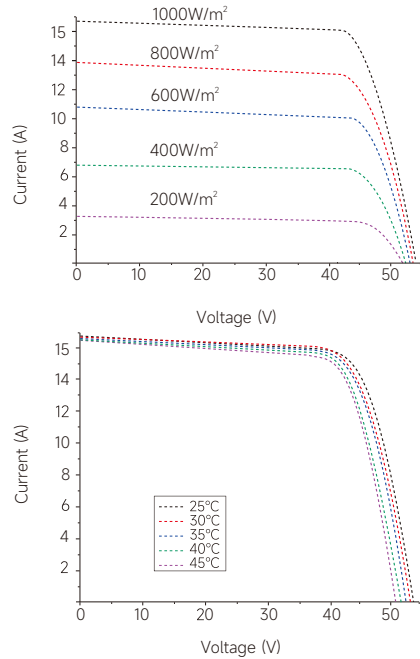
STC: Irradiance 1000W/m², module temperature 25°C, AM=1.5

Working Characteristics

	HY645-B144DSS	HY650-B144DSS	HY655-B144DSS	HY660-B144DSS	HY665-B144DSS	HY670-B144DSS
Pmax(W)	495	499	503	507	511	515
Vmp(V)	42.47	42.58	42.70	42.80	42.91	43.01
Imp(A)	11.66	11.72	11.78	11.85	11.91	11.98
Voc(V)	51.07	51.16	51.57	51.72	51.86	51.92
Isc(A)	12.15	12.20	12.26	12.32	12.37	12.43
Power tolerance(%)	0~+3					
NOCT(°C)	44±2					

NOCT: Conditions: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s

I-V Curves



Mechanical Characteristics

Number of cells	144pcs
Size of cell (mm)	182*96
Type of cell	N-IBC Mono
Thickness of glass (mm)	3.2
Type of frame	Anodized aluminum alloy
Junction box	IP68
Size of module (mm)	2382*1134*30
Weight (kg)	27.6
Cables/connectors	4mm ² , MC4 compatible
Length of Cable	Portrait:+300mm/-300mm

Packing Configuration

Pieces per pallet	36
Size of packing (mm)	2410*1120*1247
Weight of packing (kg)	1034
Pieces per container	576
Size of container	40' HQ

Maximum Ratings

Operating Temperature(°C)	-40-85
Operating humidity(%)	5-85
Allowable Hail Load	25mm ice-ball with velocity of 23m/s

