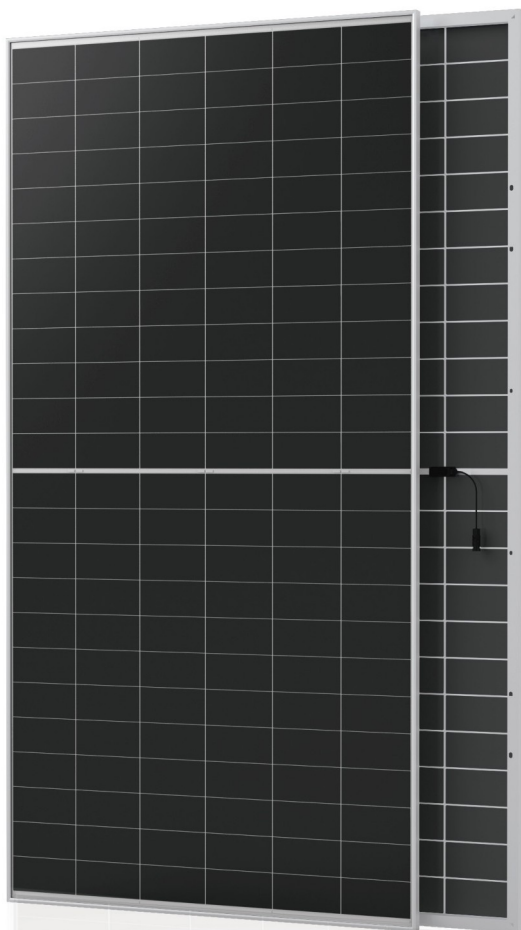


635~
660W

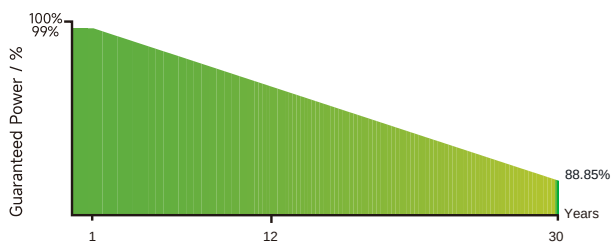
HY660-B144DDD



LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty

30 Year Linear Power Warranty



N-HYBC , Bi-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 660Wp 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 5400 Pa snow load and 2400Pa wind load



PID Resistant

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



Fire resistance

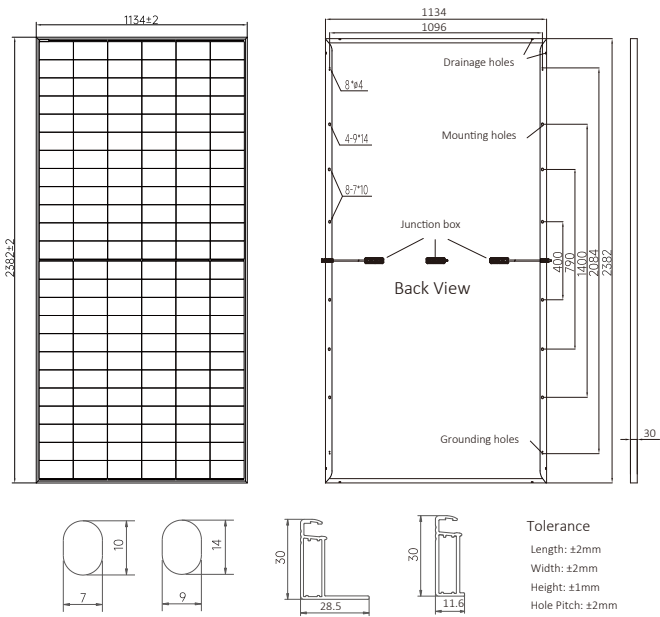
Class of reaction to Class A

IEC 61215 , IEC 61730

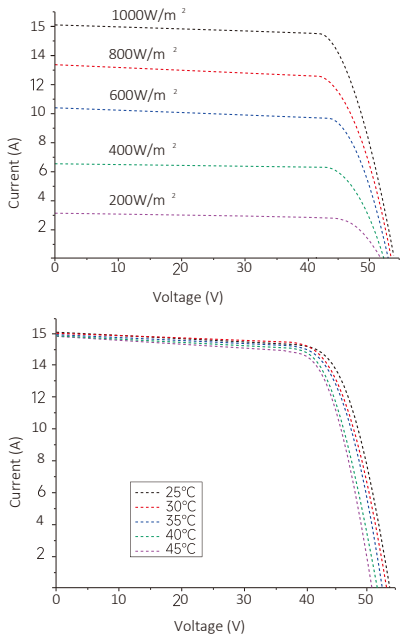


HY660-B144DDD

Engineering Drawings



I-V Curves



Electrical Characteristics

	HY635-B144DDD	HY640-B144DDD	HY645-B144DDD	HY650-B144DDD	HY655-B144DDD	HY660-B144DDD
Pmax(W)	635	640	645	650	655	660
Vmp(V)	45.04	45.17	45.30	45.43	45.52	45.62
Imp(A)	14.10	14.17	14.24	14.31	14.39	14.47
Voc (V)	53.75	53.81	53.96	54.05	54.12	54.25
Isc(A)	14.86	14.93	14.98	15.04	15.11	15.16
Module efficiency(%)	23.51	23.69	23.88	24.06	24.25	24.43
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

Mechanical Characteristics

Number of cells	144pcs
Size of cell (mm)	182*96
Type of cell	N-IBC Mono
Thickness of glass (mm)	2.0
Type of frame	Anodized aluminum alloy
Junction box	IP68
Size of module (mm)	2382*1134*30
Weight (kg)	32.5
Cables/connectors	4mm ² , MC4 compatible
Length of Cable	Portrait:+300mm/-300mm

Packing Configuration

Pieces per pallet	36
Size of packing (mm)	1160*1130*2535
Weight of packing (kg)	1190
Pieces per container	720
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

Working Characteristics

	HY635-B144DDD	HY640-B144DDD	HY645-B144DDD	HY650-B144DDD	HY655-B144DDD	HY660-B144DDD
Pmax(W)	481	485	489	493	496	500
Vmp(V)	41.90	42.05	42.20	42.33	42.36	42.46
Imp(A)	11.48	11.54	11.59	11.65	11.71	11.78
Voc(V)	50.88	51.03	51.20	51.38	51.39	51.58
Isc(A)	11.99	12.04	12.08	12.13	12.19	12.23
Power tolerance(%)	0~+3					
NOCT(°C)	44±2					

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