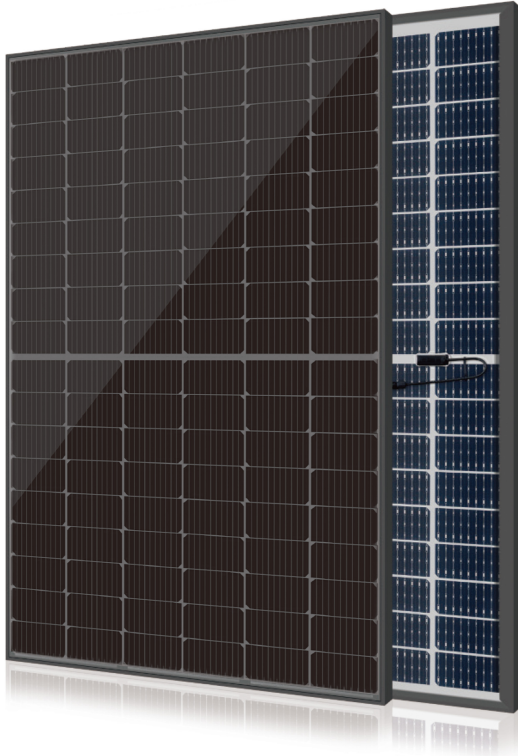


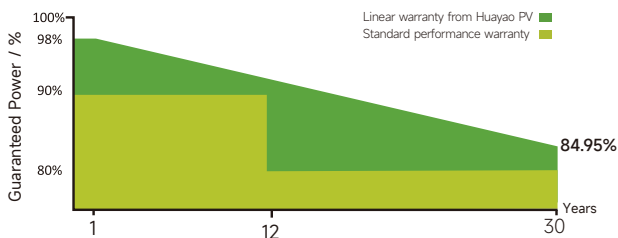
**395~415W** HY415-M108BDD



silver or black frame

### LINEAR PERFORMANCE WARRANTY

- 15** Year Product Warranty
- 30** Year Linear Power Warranty



## Hyper M54

Bi-facial  
108-cell, MBB  
0~+3% positive tolerance

### KEY FEATURES



#### Mbb half cell design

Half-cut cells brings lower cell connection loss and lower thermal coefficients to ensures higher power output



#### More Power

Innovative 182mm big cell applied to ensure module power up to 415 Wp (backside boosted)



#### High Reliability

Strict outsourcing BOM materials quality control and 100% in-house wafer and cell applied to module production



#### Excellent Low-light Performance

Advanced solar cell surface texturing 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



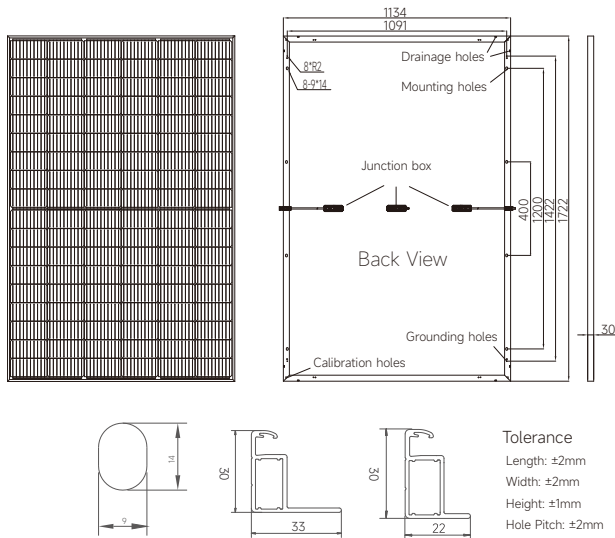
#### Fire resistance

Class of reaction to Class A

IEC 61215 (2016), IEC 61730 (2016)



## Engineering Drawings



## Electrical Characteristics

	HY395-M108BDD	HY400-M108BDD	HY405-M108BDD	HY410-M108BDD	HY415-M108BDD
Pmax(W)	395	400	405	410	415
Vmp(V)	31.08	31.33	31.57	31.81	32.05
Imp(A)	12.71	12.77	12.83	12.89	12.95
Voc (V)	37.28	37.53	37.78	38.03	38.28
Isc(A)	13.44	13.50	13.56	13.62	13.68
Module efficiency(%)	20.23	20.48	20.74	20.99	21.25
Maximum system voltage(V)	1500				
Fuse Rating(A)	25				
Temperature coefficient Pmax(%°C)	-0.350				
Temperature coefficient Isc(%°C)	0.05				
Temperature coefficient Voc(%°C)	-0.275				

STC: Irradiance 1000W/m<sup>2</sup>, module temperature 25°C, AM=1.5

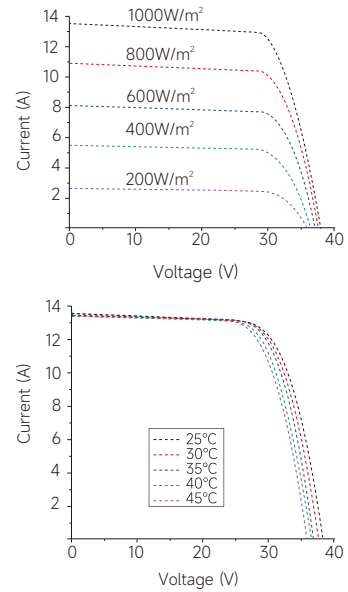
### Bifacial Output-Backside Power Gain

	Pmax(W)	434.5	440	445.5	451	456.5
10%	Module efficiency(%)	22.25	22.53	22.81	23.09	23.38
20%	Pmax(W)	474	480	486	492	498
	Module efficiency(%)	24.27	24.58	24.89	25.19	25.50

## Packing Configuration

Pieces per pallet	36
Size of packing (mm)	1750*1130*1247
Weight of packing (kg)	869
Pieces per container	936
Size of container	40' HQ

## I-V Curves



## Working Characteristics

	HY395-M108BDD	HY400-M108BDD	HY405-M108BDD	HY410-M108BDD	HY415-M108BDD
Pmax(W)	299	303	307	310	313
Vmp(V)	28.74	28.98	29.22	29.37	29.51
Imp(A)	10.41	10.46	10.51	10.56	10.61
Voc(V)	34.68	34.91	35.14	35.36	35.75
Isc(A)	11.01	11.06	11.11	11.16	11.21
Power tolerance(%)	0~+3				
NOCT(°C)	44±2				

NOCT: Conditions: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s

## Mechanical Characteristics

Number of cells	108 pcs
Size of cell (mm)	182*91
Type of cell	Mono
Thickness of glass (mm)	2.0
Type of frame	Anodized aluminum alloy
Junction box	IP68
Size of module (mm)	1722*1134*30
Weight (kg)	23.5
Cables/connectors	4mm <sup>2</sup> , MC4 compatible
Length of Cable	Portrait: +300mm/ -300mm

## Maximum Ratings

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

