

395~
415W

HY415-M108BSS

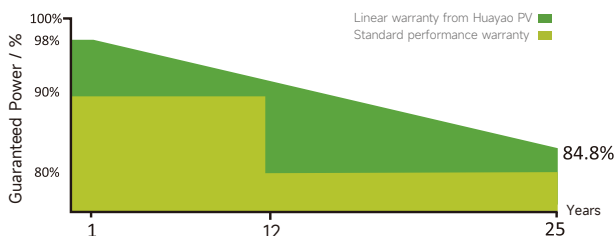


Silver or black frame applied

LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty

25 Year Linear Power Warranty



Hyper M54

Mono-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



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 C

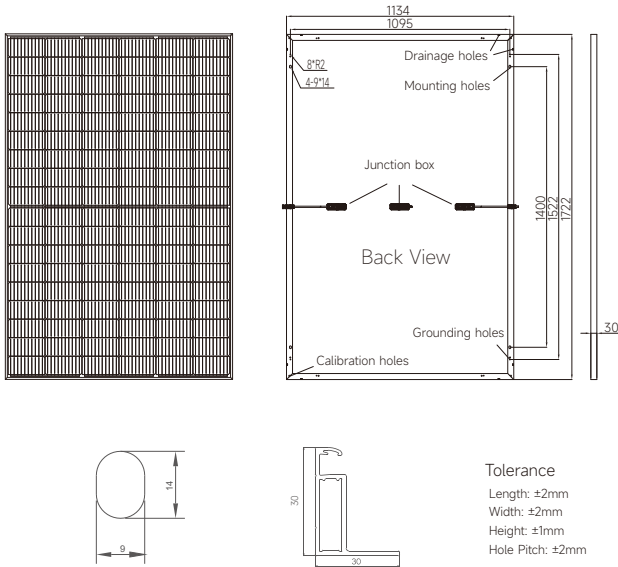
IEC 61215 (2016), IEC 61730 (2016)



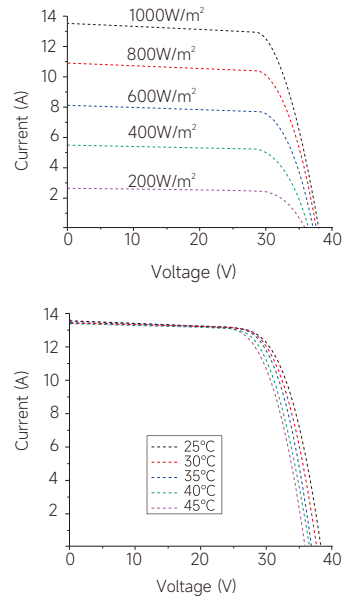
IEC 61215
IEC 61730
Regular Production
Surveillance
www.hv.com
ID: 1111254996



Engineering Drawings



I-V Curves



Electrical Characteristics

	HY395-M108BSS	HY400-M108BSS	HY405-M108BSS	HY410-M108BSS	HY415-M108BSS
Pmax(W)	395	400	405	410	415
Vmp(V)	31.00	31.25	31.50	31.75	31.98
Imp(A)	12.74	12.80	12.86	12.92	12.98
Voc (V)	36.87	37.11	37.35	37.59	37.83
Isc(A)	13.47	13.53	13.59	13.65	13.71
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/m², module temperature 25°C, AM=1.5

Working Characteristics

	HY395-M108BSS	HY400-M108BSS	HY405-M108BSS	HY410-M108BSS	HY415-M108BSS
Pmax(W)	299	303	306	310	313
Vmp(V)	28.70	28.93	29.15	29.36	29.50
Imp(A)	10.42	10.47	10.50	10.56	10.61
Voc(V)	34.34	34.58	34.80	34.99	35.10
Isc(A)	11.03	11.08	11.13	11.18	11.23
Power tolerance(%)	0~+3				
NOCT(°C)	44±2				

NOCT: Conditions: Irradiance 800W/m², 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)	3.2
Type of frame	Anodized aluminum alloy
Junction box	IP68
Size of module (mm)	1722*1134*30
Weight (kg)	20.5
Cables/connectors	4mm², MC4 compatible
Length of Cable	Portrait: +300mm/ -300mm

Packing Configuration

Pieces per pallet	36
Size of packing (mm)	1750*1130*1247
Weight of packing (kg)	761
Pieces per container	936
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

