



# Silver Series EGYO Pro-54HC

Product Range

## 425-445W

### N-Type Mono-Crystalline

### 445W

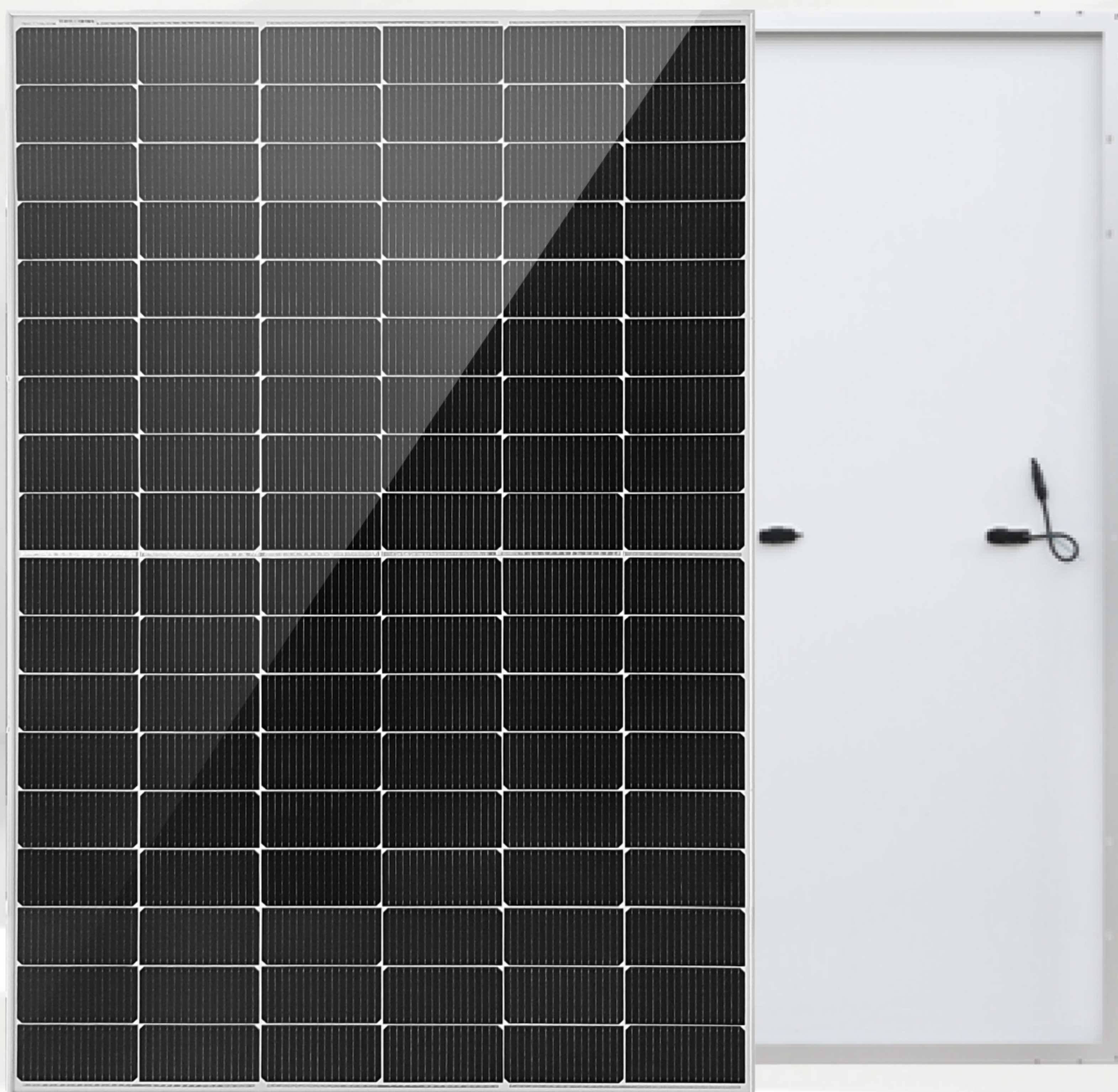
Maximum Power Output

### 0~+5W

Positive Power Tolerance

### 22.79%

Maximum Efficiency



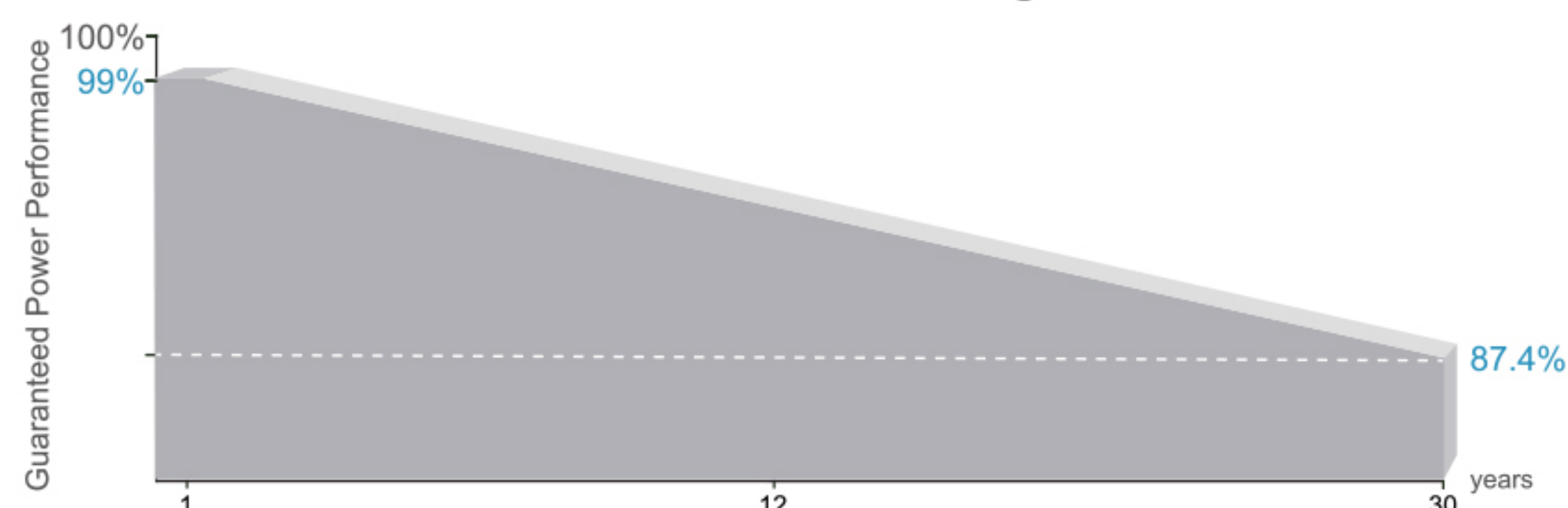
#### Linear Performance Warranty

15 Year Product Warranty

30 Year Linear Power Warranty

<1% First year Power Degradation

<0.4% Year 2-30 Power Degradation



#### Certifications

Quality Management System and Product Certification.

IEC61215(2021), IEC61730(2023), IEC61701

IEC61215-2 (bifaciality): 2021

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018: Occupational health and safety management systems



#### MBB Half-Cut Solar Cell

182x91mm, 108 cells.



#### Higher Module Conversion Efficiency

Higher module output up to 445W with module efficiency up to 22.79%.



#### Low-Light Performance

Advanced glass and surface texturing allow for excellent performance in low-light environments.



#### Light-Weight Design

Light-weight design using transparent backsheets for easy installation and low BOS cost.



#### Higher Power Output

Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.

## 182mm , 54-CELL HALF-CUT SERIES

### ELECTRICAL PERFORMANCE

Module Type: EGYO Pro-54HC	425M	430M	435M	440M	445M
Maximum Power(Wp)	425W	430W	435W	440W	445W
Open Circuit Voltage(Voc)	38.20V	38.40V	38.60V	38.75V	38.90V
Short Circuit Current(Isc)	13.98A	14.09A	14.18A	14.26A	14.33A
Maximum Power Voltage(Vm)	32.10V	32.27V	32.42V	32.60V	32.80V
Maximum Power Current(Imp)	13.24A	13.33A	13.42A	13.50A	13.57A
Module Efficiency	21.76%	22.02%	22.28%	22.53%	22.79%
Maximum Series Fuse	25A				
Watts Positive Tolerance	0~+5W				
Number Of Diode	3				
Standard Test Conditions	1000W/M <sup>2</sup> ,25°C,AM1.5				
Maximum System Voltage	1500V/DC				
Temperature-Coefficient Isc	+0.043%/°C				
Temperature-Coefficient Voc	-0.24%/°C				
Temperature-Coefficient Pmp	-0.30%/°C				
Operating Temperature	-40°C...+85°C				
Normal Operating Cell Temperature	45±2°C				
Load Capacity For The Cover Of The Module (Glass)	5400Pa(IEC61215)(snow)				
Load Capacity For The Front & Back Of The Module	2400Pa(IEC61215)(wind)				

### ELECTRICAL PERFORMANCE (NOCT)

Module Type: EGYO Pro-54HC	425M	430M	435M	440M	445M
Maximum Power(Wp)	319.6W	323.4W	327W	330W	333W
Open Circuit Voltage(Voc)	36.29V	36.48V	36.60V	36.70V	36.80V
Short Circuit Current(Isc)	11.28A	11.37A	11.44A	11.50A	11.56A
Maximum Power Voltage(Vm)	30.21V	30.37V	30.50V	30.61V	30.72V
Maximum Power Current(Imp)	10.58A	10.65A	10.72A	10.78A	10.84A

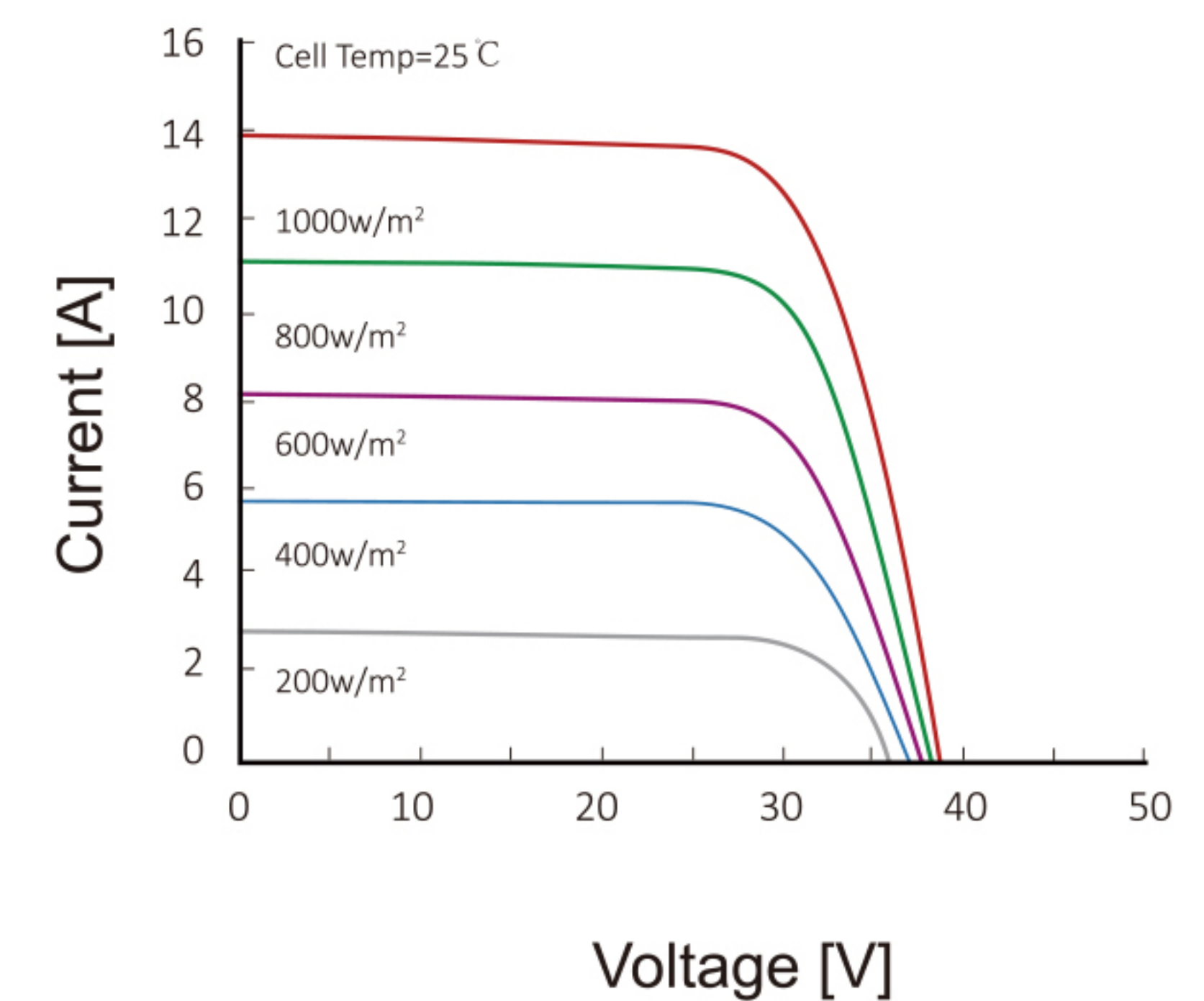
### MECHANICAL CHARACTERISTICS

Front/Back Cover (Material / Thickness)	low-iron tempered glass / 3.2mm
Backsheet (Color)	TPT in white
Cell (Quantity / Material / Dimensions)	108(6x9x2) / monocrystalline silicon
Frame (Material / Color)	aluminum hollow-chamber frame on each side anodized aluminum alloy / silver
Junction Box (Protection Degree)	≥IP68
Cables & Plug Connectors	4mm <sup>2</sup> , 300mm in length,length can be customized
Module Dimensions (L / W / H)	1722x1134x30mm
Module Weight	20.5 kg
Application Class	Class A
Electrical Protection Class	Class II
Fire Safety Class	Class C

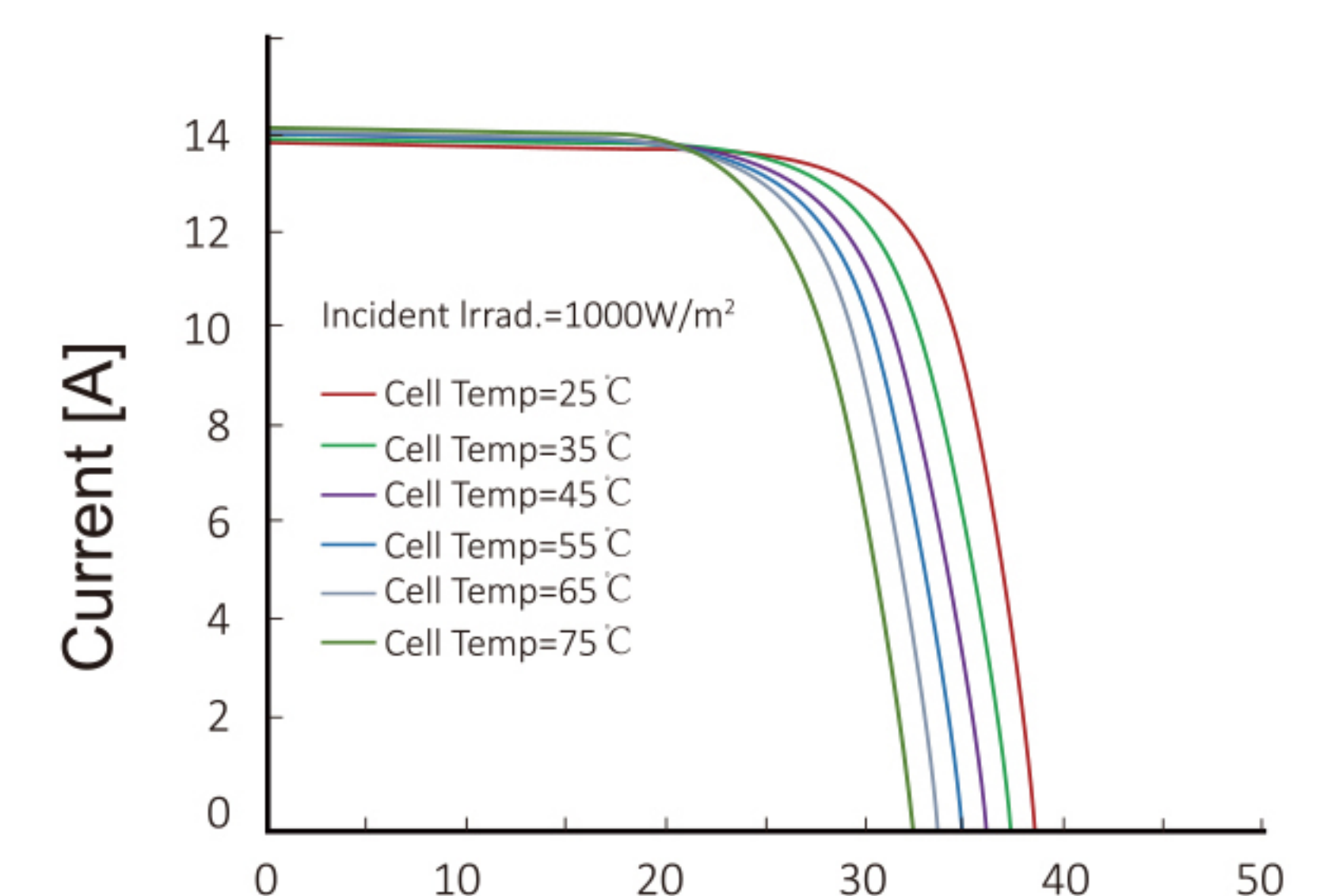
### PACKING

Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (mm)	Units/Container (PCS)
40HQ	36	770	1750x1120x1260	936

### CURRENT-VOLTAGE CURVES:



Module characteristics at constant module temperatures of 25°C and variable levels of irradiance



Module characteristics at variable module temperatures and constant module irradiance of 1.000 W/m<sup>2</sup>

### MODULE DIAGRAM:

