

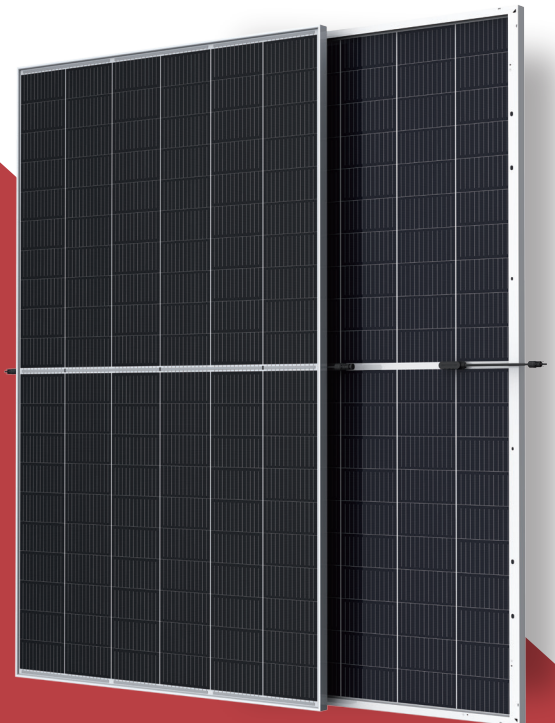


# HUGE SOLAR

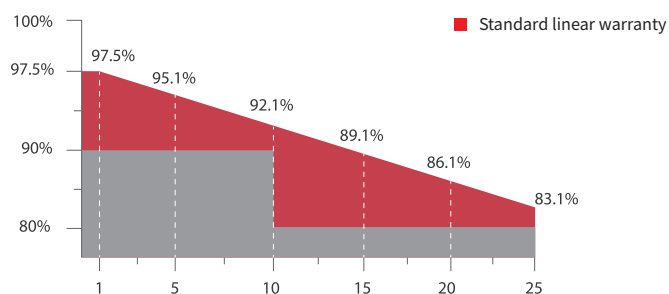
## HS-M12120HC-590-605W

# 590-605W Mono

Suitable for ground power plants and large projects. 210mm silicon wafers with multi-busbar and half-cut cell technologies. Resistant to harsh environments such as salt, ammonia, sand, high temperature and high humidity areas. High module quality ensures long-term reliability.



### Linear performance Warranty



Linear performance warranty



Product warranty

### Comprehensive Certificates

#### CERTIFICATION

- IEC61215/IEC61730
- ISO9001:Quality Management System
- ISO14001:Environmental Management System
- ISO45001:Occupational Health and Safety Management System



## QIDONG SHENYA INDUSTRY CO., LTD

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Power Class	590		595		600		605	
Module Efficiency (%)	20.9		21		21.2		21.4	
Tolerance (W)	0~+5		0~+5		0~+5		0~+5	
Test Environment	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power Pmax(W)	590	447	595	450	600	455	605	458
Open Circuit Voltage Voc(V)	41.1	38.7	41.3	38.9	41.5	39.1	41.7	39.3
Short Circuit Current Isc(A)	18.42	14.85	18.47	14.88	18.52	14.92	18.57	14.96
Maximum Power Voltage Vm(V)	34	31.9	34.2	31.9	34.4	32	34.6	32.2
Maximum Power Current Im(A)	17.35	14.09	17.4	14.13	17.44	14.18	17.49	14.22
Cell Type (mm)	210x105(12BB Mono-Crystalline Silicon)							
Cell Orientation (Pcs)	120(6x20)							
Maximum System Voltage (V)	DC1500							
Temp.Coeff.of Voc (%/°C)	-0.285							
Temp.Coeff.of Isc (%/°C)	0.055							
Temp.Coeff.of Pm (%/°C)	-0.365							
Operating Temperature (°C)	-40 to 85							
Nominal Operating Cell Temperature(NOCT) (°C)	45±2							
Max.Series Fuse (A)	20							
Pressure Bearing (Pa)	5400							
Wind Bearing (Pa)	2400							

STC: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, AM1.5  
 NOCT: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Wind speed 1m/s

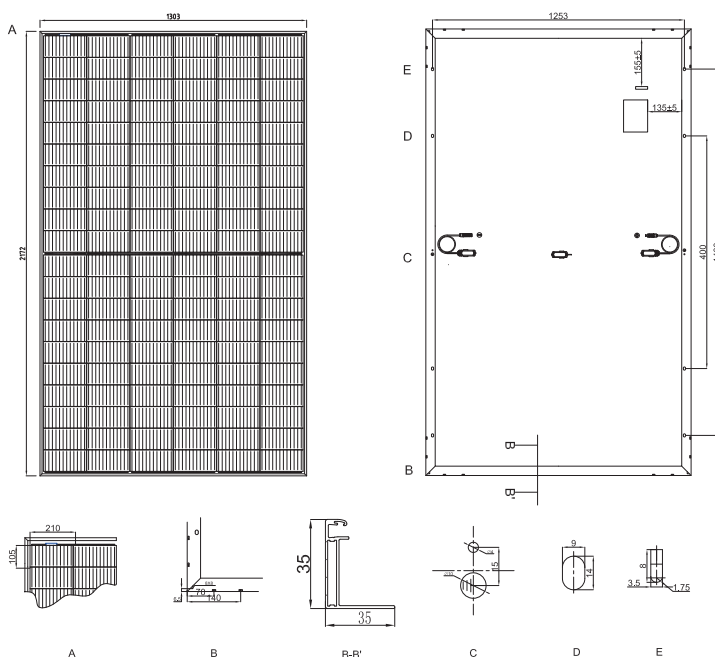
### MATERIAL DETAILS

Frame	Anodized aluminum	Glass	3.2mm low-iron tempered suede glass
Cell	6x20pcs 210x105mm mono solar cell	Junction Box	IP≥68, 3 diodes
Diode quantity	3	Cable&Connector	4mm <sup>2</sup> , EVO2 or EVO2 compatible
Cable length	300mm or as customer's requirements		

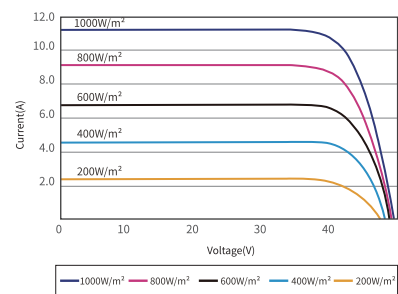
### PACKING DETAILS

Dimension	2172x1303x35mm	Weight	30.9kg
Loading Capacity	550pcs/40'HC	Packing	31pcs/pallet

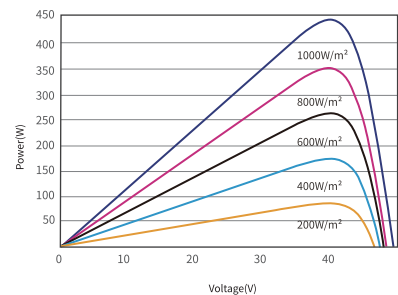
### ENGINEERING DRAWINGS



### IV CURVES



I-V CURVES OF PV MODULE(600W)



P-V CURVES OF PV MODULE(600W)