

G11_{RA}-72P

N-type Monofacial Module

HSM-BD72-WC630~660

660W

Maximum Power Output

24.4%

Maximum Efficiency



Higher energy density;
lower operating temperature



Lower hotspot temperature;
reduce risk of micro-cracks



Refined design,
Busbar-free front side



Comprehensive supply chain integration,
redefining BC standards

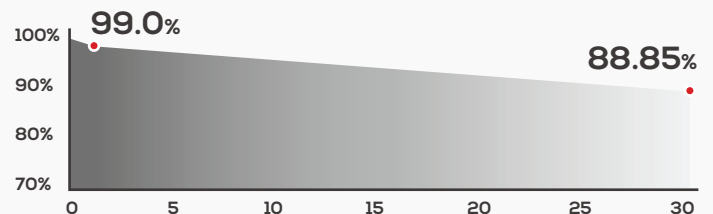
Linear Performance Warranty



15 Years
Product Warranty



30 Years Linear
Performance Warranty



Comprehensive Products and System Certificates



IEC 61215 / IEC 61730 ISO 9001:2015 ISO 45001:2018 ISO 14001:2015
ISO 9001: 2015 / Quality management system
ISO 45001: 2018 / International standards for occupational health & safety
ISO 14001: 2015 / Standards for environmental management system

HSM-BD72-WCxxx, where xxx = Pmax at STC
Measurement Tolerance: Pmax (W) $\pm 3\%$; Voc (V) $\pm 3\%$; Isc (A) $\pm 3\%$
STC: Irradiance 1000W/m², Cell Temperature 25°C, AM1.5

Electrical Parameters (STC*)

Maximum Power	Pmax (W)	630	635	640	645	650	655	660
Open Circuit Voltage	Voc (V)	54.00	54.10	54.20	54.30	54.40	54.50	54.60
Short Circuit Current	Isc (A)	14.88	14.94	15.00	15.06	15.12	15.18	15.24
Maximum Power Voltage	Vmp (V)	44.70	44.80	44.90	45.00	45.10	45.20	45.30
Maximum Power Current	Imp (A)	14.10	14.18	14.26	14.34	14.42	14.50	14.57
Module Efficiency	(%)	23.3	23.5	23.7	23.9	24.1	24.2	24.4

Temperature Coefficient

Nominal Module Operating Temperature*	43 $\pm$ 2°C
Temperature Coefficient of Isc	+0.05%/°C
Temperature Coefficient of Voc	-0.22%/°C
Temperature Coefficient of Pmax	-0.26%/°C

Operating Parameters

Operating Temperature	-40~+70°C
Module [T98] max	70°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	25A

Mechanical Data

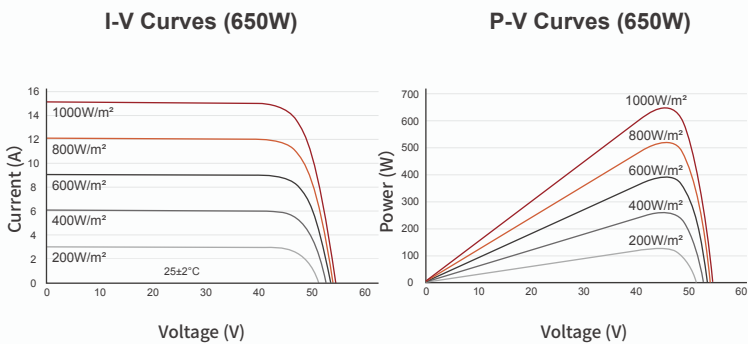
* Please refer to installation manual for details

No.of Cells	144pcs (6 $\times$ 24)
Dimension	2382 $\times$ 1134 $\times$ 30 mm
Weight	28.1kg $\pm$ 3%
Front Glass	3.2mm, Heat Strengthened, AR coating Glass
Back Sheet	High Weather-resistance Back Sheet
Frame	Anodized Aluminium Alloy
J-Box	IP68, three diodes
Cables	4.0mm ² , +350mm, -280mm (can be customized)
Maximum Static Load	Front: 5400Pa/Back: 2400Pa*
Fire Rating	IEC Class C
Connectors	Staubli Electrical Connectors AG, PV-KST4-EVO 2/xy_UR; PV-KBT4-EVO 2/xy_UR

Packaging Configuration

Modules per Pallet	36pcs
Modules per 40'HQ Container	720pcs
Pallets per 40'HQ Container	20pcs

Curve Graph



Engineering Drawing

[Unit: mm]

