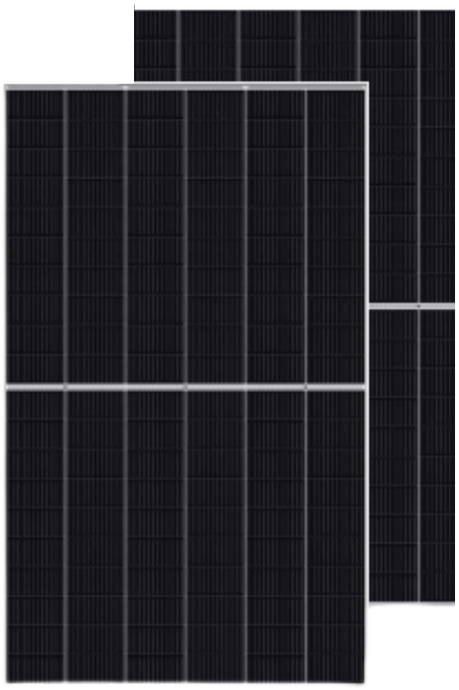
JOG International Ltd.

TALESUN

BIPRO

TD8G60M 120 HALF-CELL



585 - 605W

bifacial dual glass
12BB half-cut mono perc

KEY FEATURES

12BB half-cut cell technology

New circuit design, lower internal current, lower Rs loss Ga-doped wafer, attenuation＜2% (1st year) / ≤0.45% (Linear)

Industry leading high yield

Bifacial PERC cell technology,
5%-25% more yield depends on different conditions

Excellent Anti-PID performance

2 times of industry standard Anti-PID test by TUV SUD

Wider application

No water-permeability and high wear-resistance,
can be widely used in high-humid, windy and dusty area

IP68 junction box

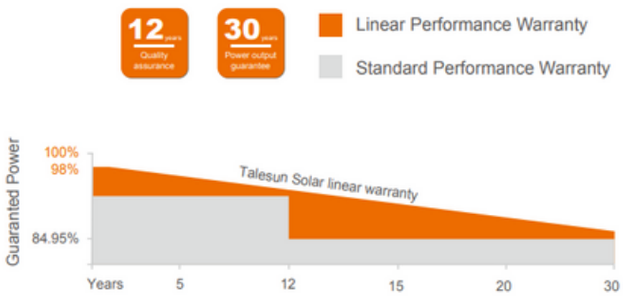
High waterproof level

SYSTEM & PRODUCT CERTIFICATES

- IEC 61215 / IEC 61730 / UL 61730
- ISO 9001: 2015 Quality Management System
- ISO 14001: 2015 Environment Management System
- ISO 45001: 2018 Occupational Health and Safety Management Systems

c UL us LISTED CE DEKRA

PERFORMANCE WARRANTY



Address:
Unit 2301, Bayfield Building, 99 Hennessy Rd,
Wanchai, Hong Kong

Tel: +852 5803 4267
Email: info@joginternational.com
Website: www.joginternational.com

ELECTRICAL PARAMETERS

Performance at STC (Power Tolerance 0 ~ +3%)

Maximum Power (Pmax/W)	585	590	595	600	605
Operating Voltage (Vmpp/V)	34.1	34.3	34.5	34.7	34.9
Operating Current (Impp/A)	17.16	17.21	17.25	17.30	17.34
Open-Circuit Voltage (Voc/V)	40.9	41.1	41.3	41.5	41.7
Short-Circuit Current (Isc/A)	18.22	18.27	18.31	18.36	18.40
Module Efficiency ηm(%)	20.7	20.8	21.0	21.2	21.4

Performance at NMOT

Maximum Power (Pmax/W)	441	444	448	452	455
Operating Voltage (Vmpp/V)	32.0	32.2	32.4	32.6	32.8
Operating Current (Impp/A)	13.76	13.80	13.83	13.86	13.90
Open-Circuit Voltage (Voc/V)	38.5	38.7	38.9	39.1	39.3
Short-Circuit Current (Isc/A)	14.68	14.72	14.75	14.79	14.82

STC: Irradiance 1000W/m2, Cell Temperature 25°C, Air Mass AM1.5 NMOT:Irradiance at 800W/m2, Ambient Temperatue 20°C, Air Mass AM1.5, Wind Speed 1m/s

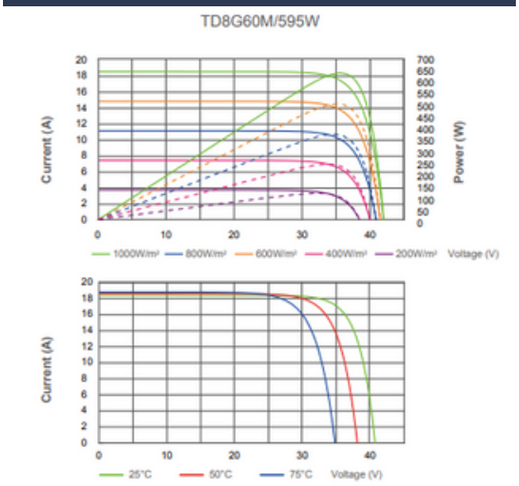
Electrical characteristics with different rear side power gain (refer to 595W front)

Pmax gain	Pmax/W	Vmpp/V	Impp/A	Voc/V	Isc/A
5%	625	34.5	18.11	41.3	19.23
10%	655	34.5	18.98	41.3	20.14
15%	684	34.5	19.84	41.3	21.06
20%	714	34.5	20.70	41.3	21.97
25%	744	34.5	21.56	41.3	22.89

MECHANICAL SPECIFICATION

Cell Type	Monocrystalline
Cell Dimensions	210*210mm
Cell Arrangement	120 (6*20)
Weight	35kg (77.16lbs.)
Module Dimensions	2172*1303*35mm (85.51*51.30*1.38inches)
Cable Length	Portrait 300mm/Landscape 1200mm/Customized
Cable Cross Section Size	TUV: 4mm2 (0.006inches2)/UL: 12AWG
Front Glass	2.0mm (0.08 inches) AR Coating Semi-tempered Glass
Back Glass	2.0mm (0.08 inches) Glazed Semi-tempered Glass
No. of Bypass Diodes	3/6
Packing Configuration (1)	31pcs/carton, 527pcs/40hq
Packing Configuration (for USA)	31pcs/carton, 527pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68

I-V CURVE

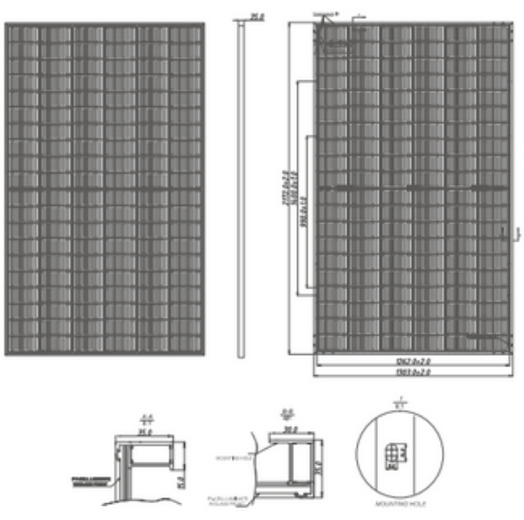


OPERATING CONDITIONS

Maximun System Voltage	1500V/DC
Operating Temperature	-40°C ~ +85°C
Maximun Series Fuse	35A
Static Loading	Snow Loading: 5400Pa/ Wind Loading: 2400Pa
Conductivity at Ground	≤0.1Ω
Safety Class	II
Resistance	≥100MΩ
Connector	PV-02/LJQ-3/LJQ-3-CSY/MC4-EVO2
Backside Output Ratio*	70% ± 5%

Under STC: Backside Output Ratio = Pmax(rear) / Pmax(front)

TECHNICAL DRAWINGS



TEMPERATURE COEFFICIENT

Temperature Coefficient Pmax	-0.36%/°C
Temperature Coefficient Voc	-0.26%/°C
Temperature Coefficient Isc	+0.043%/°C
NMOT	43±2°C

Address:
Unit 2301, Bayfield Building, 99 Hennessy Rd,
Wanchai, Hong Kong

Tel: +852 5803 4267
Email: info@joginternational.com
Website: www.joginternational.com