

Exhibit C

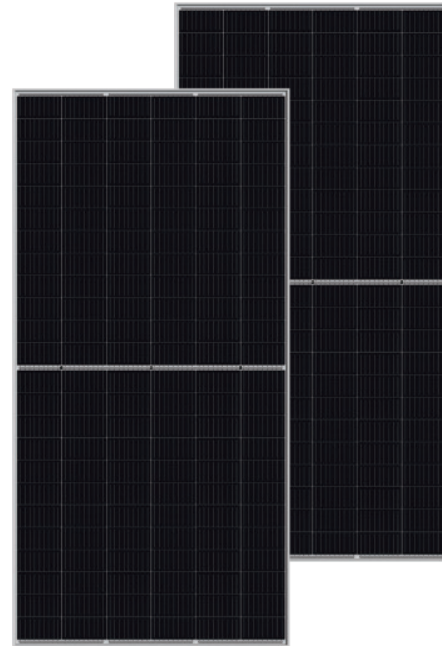
Project Equipment List

BIPRO

TP6G72M
TP6G72M(H) **144 half-cell**

390 - 415W

bifacial transparent single glass
9BB half-cut mono perc



KEY FEATURES



9BB half-cut cell technology

New circuit design, lower internal current, lower Rs loss



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 1703
- ISO 9001: 2015 Quality Management System
- ISO 14001: 2015 Environment Management System
- ISO 45001: 2018 Occupational Health and Safety Management Systems

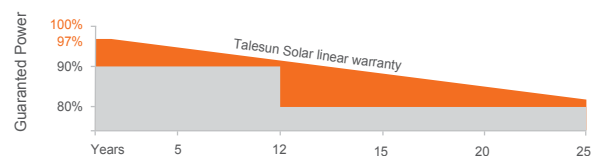


PERFORMANCE WARRANTY

12 years
Quality assurance

25 years
Power output guarantee

■ Talesun standard
■ Industry standard



ELECTRICAL PARAMETERS

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

Maximum Power (Pmax/W)	390	395	400	405	410	415
Operating Voltage (Vmpp/V)	40.8	41.1	41.4	41.7	42.0	42.3
Operating Current (Impp/A)	9.56	9.61	9.67	9.72	9.77	9.82
Open-Circuit Voltage (Voc/V)	48.7	48.9	49.1	49.3	49.5	49.7
Short-Circuit Current (Isc/A)	10.08	10.14	10.20	10.26	10.32	10.38
Module Efficiency η_m (%)	19.06	19.3	19.55	19.79	20.04	20.28

Performance at NMOT

Maximum Power (Pmax/W)	291.5	295.1	298.8	302.4	306.1	309.8
Operating Voltage (Vmpp/V)	38.1	38.3	38.5	38.8	39.0	39.2
Operating Current (Impp/A)	7.65	7.70	7.75	7.80	7.86	7.91
Open-Circuit Voltage (Voc/V)	45.6	45.7	45.9	46.1	46.3	46.4
Short-Circuit Current (Isc/A)	8.13	8.18	8.23	8.27	8.32	8.37

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

Electrical characteristics with different rear side power gain (refer to 400W front)

Pmax gain	Pmax/W	Vmpp/V	Impp/A	Voc/V	Isc/A
5%	420	41.4	10.14	49.1	10.71
10%	440	41.4	10.63	49.1	11.22
15%	460	41.4	11.11	49.1	11.73
20%	480	41.4	11.59	49.1	12.24
25%	500	41.4	12.08	49.1	12.75

MECHANICAL SPECIFICATION

Cell Type	Half-cell 9 busbar
Cell Dimensions	158.75*158.75mm (6inches)
Cell Arrangement	144 (6*24)
Weight	23.5kg (51.8lbs)
Module Dimensions	2030*1008*35mm (79.72*39.68*1.38inches)
Cable Length (Portrait)	(+)-300mm (11.81inches) / (-)300mm (11.81inches)
Cable Length (Landscape)	(+)-1200mm (47.24inches) / (-)1200mm (47.24inches)
Cable Cross Section Size	4mm ² (0.006inches ²)
Front Glass	3.2mm High Transmission, Tempered Glass
No. of Bypass Diodes	3/6
Packing Configuration(1)	31pcs/carton, 682pcs/40hq
Packing Configuration(2)	31+3pcs/carton, 715pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68

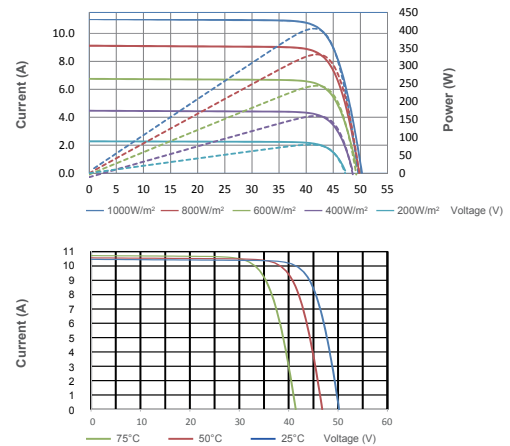
OPERATING CONDITIONS

Maximun System Voltage	1000V/1500V/DC(IEC)
Operating Temperature	-40°C ~ +85°C
Maximun Series Fuse	20A
Static Loading	5400pa
Conductivity at Ground	≤0.1Ω
Safety Class	II
Resistance	≥100MΩ
Connector	MC4 Compatible
Backside Output Ratio*	60% - 80%
*Under STC: Backside Output Ratio = $P_{max(rear)} / P_{max(front)}$	

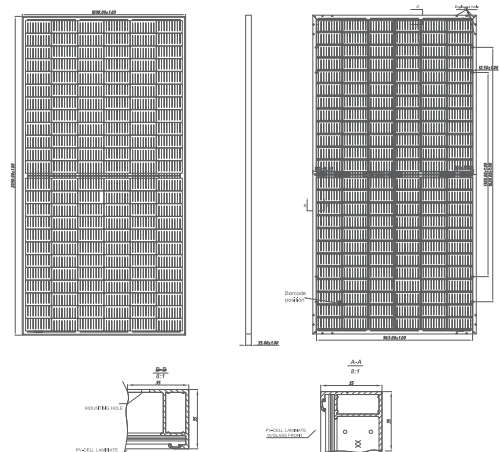
TEMPERATURE COEFFICIENT

Temperature Coefficient Pmax	-0.36%/°C
Temperature Coefficient Voc	-0.26%/°C
Temperature Coefficient Isc	+0.043%/°C
NMOT	42±2°C

I-V CURVE



TECHNICAL DRAWINGS



Catalog No. 9T10A1008



Description AL 300KVA 480-208Y 150C K1 STD DOE2016

UPC No 783173904725

Products > Transformers > Dry Type Vented > General Purpose

GE Type QL transformers meet DOE 2016 efficiency standards. They are available with aluminum or copper windings and utilize a UL recognized 220°C insulation system.

- Quiet Performance
- Outward-facing mounting feet
- Lug kit included
- Ground bar kit included
- Core and coil assemblies are mounted on rubber isolation pads to reduce noise
- Bolted coil terminations
- Single-piece front/back is easily removable for service
- NEMA 2 drip-proof enclosure is standard; weathershield kits are available for conversion to NEMA 3R outdoor configuration
- Qualified to the seismic requirements of IEEE-693-2005 and IBC-2012 and CBC 2013
- Copper or aluminum windings
- Copper ground strap
- Robust packaging with top and side protection protects against shipping damage
- Accessible mounting flanges with front/back slotted mounting holes make installation easier
- 100% factory tested for shorts and coil integrity, current and loss, voltage, impedance and noise.
- Clear, comprehensive documentation and labeling

Specifications

Descriptors

Category	General Purpose
GO Schedule	TY

Specifications

Phase	3
PriVoltage	480
SecVoltage	208Y/120
KVA	300.0 KVA
Coil Material	AL
TempRise	150.0 °C
Frequency	60 Hz
Impedance	5.3 %
AmbTemp	40.0 °C
EnergyEfficiency	DOE 2016
KFactor	K1
Enclosure Type	NEMA 2
Sound	Std
GSA Compliance	No

Classifications

CE

0

Publications

Title	Publication No.	Publication Type
UL Nameplate Drawing	9T10A1008-LBL	Connection Diagram
UL Nameplate Drawing 9T10A1008-LBL		

Additional Documentation: Visit our [Publication Library](#) to find technical documentation, time current curves, CSI Specifications and promotional literature.

HT78-18X Transparent

High Efficiency Low LID Bifacial PERC with Half-cut Technology

NEW

Big Size: Cell 182*91 Monocrystalline

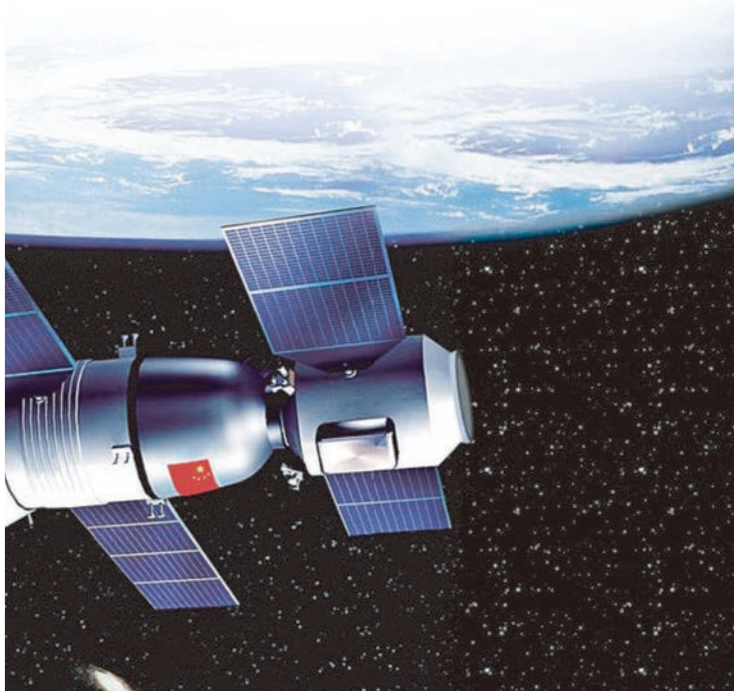
570W / 575W

580W / 585W / 590W



- Module Efficiency: 21.1%
- No. of Cells: 156(6 × 26)
- Weight: 29.4kg
- Dimensions: 2470mm×1133mm×35mm

MULTIWAY+



Shanghai Aerospace Automobile Electromechanical Co., Ltd. website: www.htsolar.com.tr



Factory : Turkey HT Solar Energy Joint Stock Company Lianyungang ShenZhou New Energy Co., Ltd.



Half cut cell technology can reduce the internal power loss and improve component overall power. Excellent heat dissipation avoids hot spot production.



10BB The optimized number and width of main gate lines, Maximize the light receiving area of components and Reduce component power consumption

12 Ys

Products Warranty



Designed for high voltage systems of up to 1500 VDC, increasing the string length of solar systems and saving on BOS costs

30 Ys

Warranty on power output



All the modules are sorted and packaged by amperage, reducing mismatch losses and maximizing system output.

EL

Microcrack resistant high performance transparent backsheet structure enhance reliability, triple EL tested of high quality control.

5W

Positive tolerance 0/+5W guaranteed



Entire module certified to with stand extreme wind (2400 Pa) and snow loads (5400 Pa)

PID

PID Resistant

Comprehensive and first-rate certification system

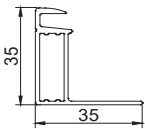
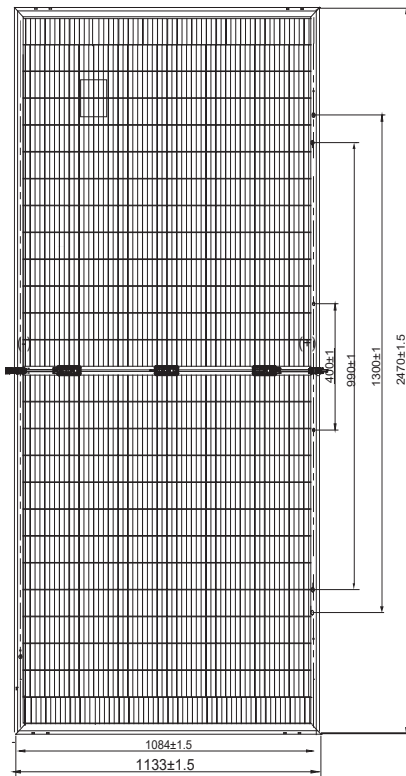
IEC61215: 2016, IEC61730: 2016 Latest Standard

and UL 61730 Latest Standard, ISO9001, ISO14001 and ISO45001, meeting the highest international standards Strict quality control



570W/575W/580W/585W/590W

Engineering Drawing



Electrical Characteristics

Module	HT78-18X				
Maximum Power at STC(Pmax)	570W	575W	580W	585W	590W
Open-Circuit Voltage(Voc)	53.19V	53.34V	53.49V	53.77V	53.92V
Short-Circuit Current(Isc)	13.68A	13.75A	13.82A	13.89A	13.96A
Optimum Operating Voltage (Vmp)	44.68V	44.83V	44.98V	45.13V	45.28V
Optimum Operating Current(Imp)	12.76A	12.83A	12.90A	12.97A	13.04A
Module Efficiency	20.4%	20.5%	20.7%	20.9%	21.1%
Power Tolerance	0 ~ +5W				
Maximum System Voltage	1500V DC(UL/IEC)				
Maximum Series Fuse Rating	25A				
Operating Temperature	-40 °C to + 85°C				

*STC: Irradiance 1000W/m², module temperature 25, AM=1.5
Optional black frame or white frame module according to customer requirements

BIFACIAL REAR SIDE POWER GAIN

Electrical characteristics with different rear side power gain for reference (reference to 590W front)

Module		HT78-18X Bifaciality: 70±5%			
Maximum Power	Pmax Gain	Voc/V	Isc/A	Vmp/V	Imp/A
620W	5%	53.92	14.65	45.28	13.69
649W	10%	53.92	15.36	45.28	14.33
679W	15%	53.92	16.05	45.28	14.99
708W	20%	53.92	16.75	45.28	15.64
738W	25%	53.92	17.45	45.28	16.30

*bifacial gain: the additional gain from the rear side compared to the power of the front side at the standard test condition. It depends on mounting (structure, height, tilt angle etc.) and albedo of the ground.

NMOT

Module	HT78-18X				
Maximum Power	426W	430W	434W	438W	442W
Open Circuit Voltage (Voc)	49.0V	49.15V	49.30V	49.45V	49.6V
Short Circuit Current (Isc)	11.10A	11.17A	11.24A	11.31A	11.38A
Maximum Power Voltage (Vmp)	40.6V	40.75V	40.90V	41.05V	41.20V
Maximum Circuit Current (Imp)	10.50A	10.56A	10.61A	10.67	10.73A
NMOT	45°C±2°C				

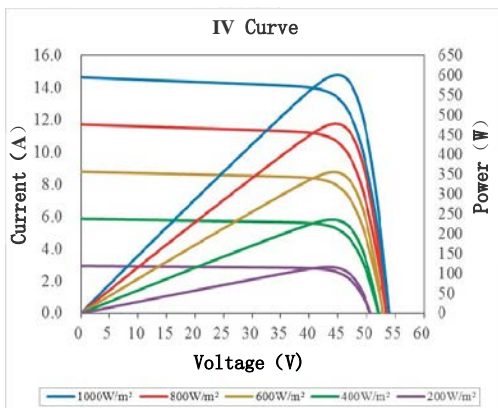
*NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1 m/s

Mechanical Characteristics

Solar Cells	Monocrystalline 182 × 91 mm
No. of Cells	156 (6 × 26)
Dimensions	2470mm×1133mm×35mm
Weight	29.4kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Cable	4mm ² (UL/IEC) Length: (+) 400mm (-) 200mm/length can be customized
Connectors	MC4 / MC4 Compatible
Packaging Configuration	31pcs / box, 496pcs / 40'HQ Container

I-V Curves

Current-Voltage & Power-Voltage Curve



Temperature Characteristics

Temperature Coefficient of Pmax	γ (Pm)	-0.39%/°C
Temperature Coefficient of Voc	β (Voc)	-0.29%/°C
Temperature Coefficient of Isc	α (Isc)	0.049%/°C

Warranty

- 12-year product warranty
- 30-year warranty on power output

Specific information is referred to the product quality guarantee

