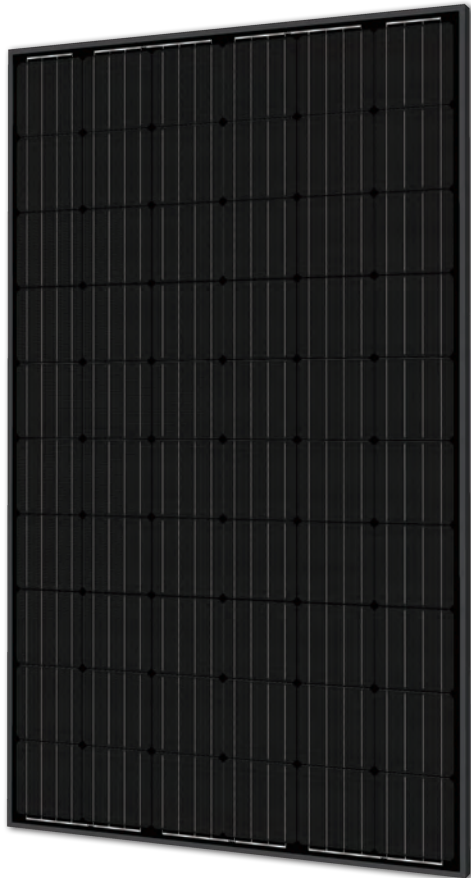


TP660M

60 CELL SERIES



KEY FEATURES

280W

Highest power output

10 years

Material & workmanship warranty

PID Free

Certified by TUV Rheinland

25 years

Linear power output warranty

- Positive power tolerance: 0~+3%
- Robust design: Certified to withstand up to 3800 Pa wind load and up to 5400 Pa snow load
- Proved high reliability built on dozens of projects
- Black frame and black back sheet
- Four busbar cell: Improve the efficiency of modules

QUALITY WARRANTY

TALESUN guarantees that defects will not appear in materials and workmanship defined by IEC61215, IEC61730 and UL1703 under normal installation, use and maintenance as specified in Talesun's installation manual for 10 years from the warranty starting date.



ABOUT TALESUN

Zhongli Talesun Solar Co., Ltd. is one of the world's largest integrated PV manufacturers. Its standard and high-efficiency product offerings are among the most powerful and cost-effective in the industry. With over 3.5 GW of modules installed globally, we are a leading solar energy company built upon proven product reliability and sustainable performance.

PERFORMANCE WARRANTY

Monocrystalline Solar Cell Modules

- During the first year, TALESUN guarantees the nominal power output of the product will be no less than 97% of the labeled power output.
- From year 2 to year 24, the nominal power decline will be no more than 0.7% in each year; by the end of year 25, the nominal power output will be no less than 80% of the labeled power output.

ELECTRICAL PARAMETERS

Model	TP660M			
Maximum Power (Pmax/W)	265	270	275	280
Operating Voltage (Vmpp/V)	31.0	31.3	31.5	31.8
Operating Current (Impp/A)	8.56	8.64	8.73	8.81
Open-Circuit Voltage (Voc/V)	37.9	38.1	38.2	38.4
Short-Circuit Current (Isc/A)	9.09	9.15	9.19	9.24
Module Efficiency ηm(%)	16.3	16.6	16.9	17.2
Power Tolerance	0-+3%			
Temperature Coefficient	Pmax	-0.41%/℃		
	Voc	-0.31%/℃		
	Isc	+0.055%/℃		
Noct	45±2℃			

* STC: 1000w/m², 25°C, AM 1.5

OTHER PARAMETERS

Cell Type	Mono Crystalline
Cell Dimensions	156*156mm(6inch)
Cell Arrangement	60(6*10)
Weight	18.5kg(40.8lbs)
Module Dimensions	1640*990*35mm(64.6*39.0*1.4inch)
Cable Length	900mm(35.4inch)
Cable Cross Section Size	4mm ² (0.006sq.in)
Front Glass	3.2mm High Transmission, Tempered Glass
No. of Bypass Diodes	3/6
Packing Configuration (1)	30pcs/Pallet, 840pcs/40hq
Packing Configuration (2)	30pcs+5pcs/Pallet, 910pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP65/IP67

OPERATING CONDITIONS

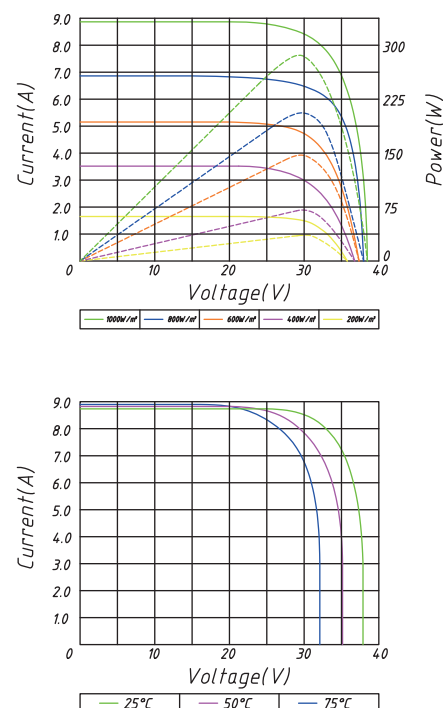
Maximum System Voltage	1000V/DC(IEC)
Operating Temp.	-40°C~+85°C
Maximum Series Fuse	15A
Static Loading	5400Pa
Conductivity at Ground	≤ 0.1Ω
Safety Class	II
Resistance	≥ 100MΩ
Connector	MC4 Compatible

ZHONGLI TALESUN SOLAR CO.,LTD.

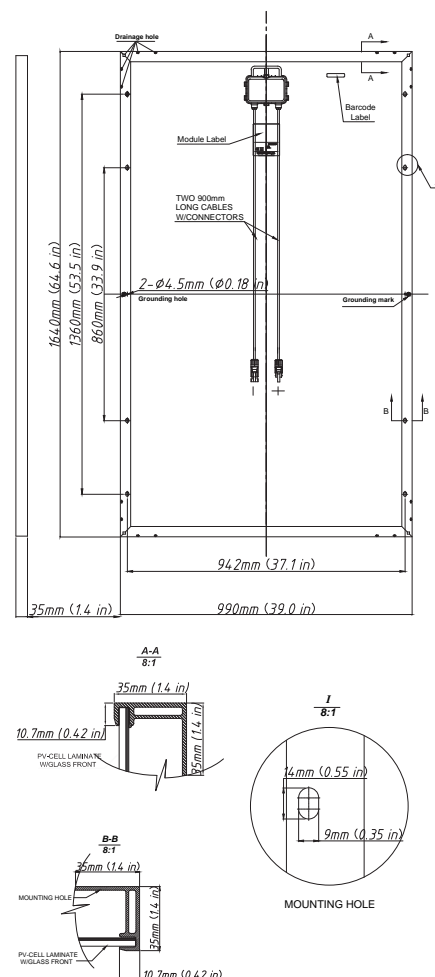
Email: sales@talesun.com Web: www.talesun.com Tel: + 86 400 885 1098

I-V CURVE

TP660M Pm(W)270



TECHNICAL DRAWINGS



TP660P

60 CELL SERIES



KEY FEATURES

270W

Highest power output

10 years

Material & workmanship warranty

PID Free

Certified by TUV Rheinland

25 years

Linear power output warranty

- Positive power tolerance: 0~+3%
- Robust design: Certified to withstand up to 3800 Pa wind load and up to 5400 Pa snow load
- Proved high reliability built on dozens of projects
- Four busbar cell: Improve the efficiency of modules

QUALITY WARRANTY

TALESUN guarantees that defects will not appear in materials and workmanship defined by IEC61215, IEC61730 and UL1703 under normal installation, use and maintenance as specified in Talesun's installation manual for 10 years from the warranty starting date.



ABOUT TALESUN

Zhongli Talesun Solar Co., Ltd. is one of the world's largest integrated PV manufacturers. Its standard and high-efficiency product offerings are among the most powerful and cost-effective in the industry. With over 3.5 GW of modules installed globally, we are a leading solar energy company built upon proven product reliability and sustainable performance.

PERFORMANCE WARRANTY

Polycrystalline Solar Cell Modules

- During the first year, TALESUN guarantees the nominal power output of the product will be no less than 97.5% of the labeled power output.
- From year 2 to year 24, the nominal power decline will be no more than 0.7% in each year; by the end of year 25, the nominal power output will be no less than 80.7% of the labeled power output.

ELECTRICAL PARAMETERS

Model	TP660P			
Maximum Power（Pmax/W）	255	260	265	270
Operating Voltage（Vmpp/V）	30.6	30.7	30.8	30.9
Operating Current（Impp/A）	8.36	8.51	8.62	8.74
Open-Circuit Voltage（Voc/V）	37.7	37.8	37.9	38.0
Short-Circuit Current（Isc/A）	9.06	9.16	9.25	9.33
Module Efficiency ηm(%)	15.7	16.0	16.3	16.6
Power Tolerance	0~+3%			
Temperature Coefficient	Pmax	-0.42%/℃		
	Voc	-0.32%/℃		
	Isc	+0.058%/℃		
Noct	45±2℃			

* STC: 1000w/ m², 25 °C, AM 1.5

OTHER PARAMETERS

Cell Type	Poly Crystalline
Cell Dimensions	156*156mm(6inch)
Cell Arrangement	60(6*10)
Weight	18.5kg(40.8lbs)
Module Dimensions	1640*990*35mm(64.6*39.0*1.4inch)
Cable Length	900mm(35.4inch)
Cable Cross Section Size	4mm ² (0.006sq.in)
Front Glass	3.2mm High Transmission, Tempered Glass
No.of Bypass Diodes	3/6
Packing Configuration (1)	30pcs/Pallet, 840pcs/40hq
Packing Configuration (2)	30pcs+5pcs/Pallet, 910pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP65/IP67

OPERATING CONDITIONS

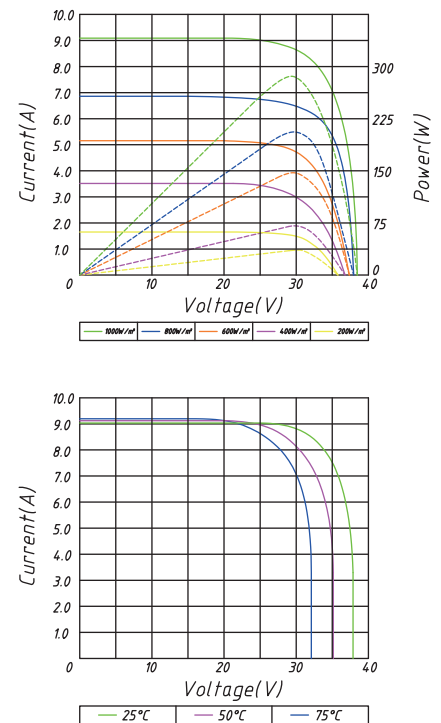
Maximum System Voltage	1000V/DC(IEC)
Operating Temp.	-40 °C ~+85 °C
Maximum Series Fuse	15A
Static Loading	5400Pa
Conductivity at Ground	≤ 0.1Ω
Safety Class	II
Resistance	≥100MΩ
Connector	MC4 Compatible

ZHONGLI TALESUN SOLAR CO.,LTD.

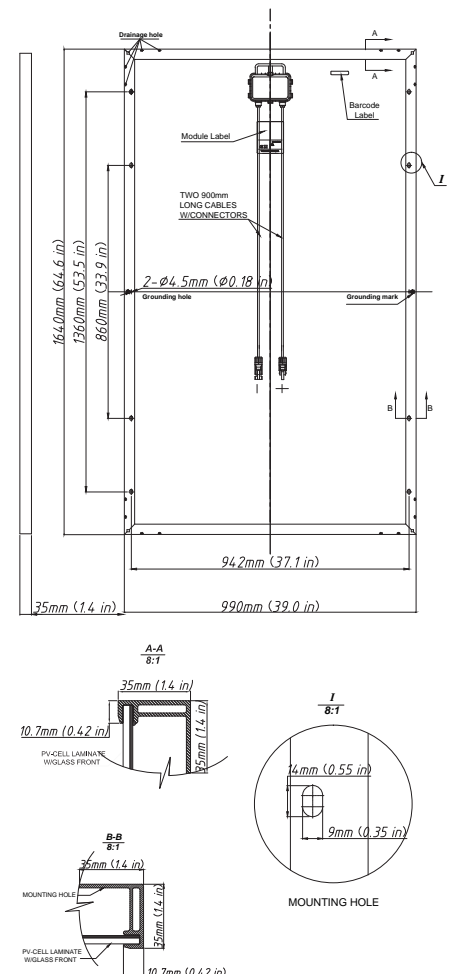
Email: sales@talesun.com Web: www.talesun.com Tel: + 86 400 885 1098

I-V CURVE

TP660P Pm(W)260

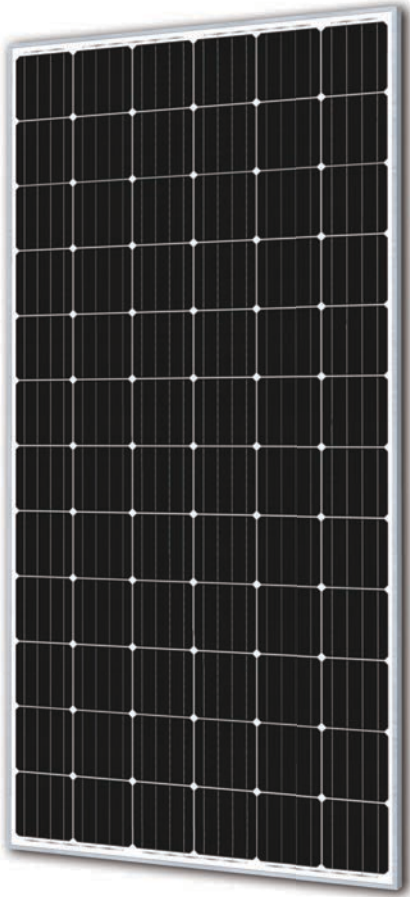


TECHNICAL DRAWINGS



TP672M

72 CELL SERIES



ABOUT TALESUN

Zhongli Talesun Solar Co., Ltd. is one of the world's largest integrated PV manufacturers. Its standard and high-efficiency product offerings are among the most powerful and cost-effective in the industry. With over 3.5 GW of modules installed globally, we are a leading solar energy company built upon proven product reliability and sustainable performance.

KEY FEATURES

340W

Highest power output

PID Free

Certified by TUV Rheinland

10 years

Material & workmanship warranty

25 years

Linear power output warranty

- Positive power tolerance: 0~+3%
- Robust design: Certified to withstand up to 3800 Pa wind load and up to 5400 Pa snow load
- Proved high reliability built on dozens of projects
- Black frame and black back sheet
- Four busbar cell: Improve the efficiency of modules

QUALITY WARRANTY

TALESUN guarantees that defects will not appear in materials and workmanship defined by IEC61215, IEC61730 and UL1703 under normal installation, use and maintenance as specified in Talesun's installation manual for 10 years from the warranty starting date.



PERFORMANCE WARRANTY

Monocrystalline Solar Cell Modules

- During the first year, TALESUN guarantees the nominal power output of the product will be no less than 97% of the labeled power output.
- From year 2 to year 24, the nominal power decline will be no more than 0.7% in each year; by the end of year 25, the nominal power output will be no less than 80% of the labeled power output.

ELECTRICAL PARAMETERS

Model	TP672M			
Maximum Power（Pmax/W）	325	330	335	340
Operating Voltage（Vmpp/V）	37.5	37.9	38.2	38.6
Operating Current（Impp/A）	8.67	8.72	8.77	8.82
Open-Circuit Voltage（Voc/V）	46.3	46.5	46.7	47.0
Short-Circuit Current（Isc/A）	9.18	9.24	9.30	9.37
Module Efficiency ηm(%)	16.7	17.0	17.3	17.5
Power Tolerance	0+3%			
Temperature Coefficient	Pmax	-0.39%/℃		
	Voc	-0.30%/℃		
	Isc	+0.05%/℃		
Noct	45±2℃			

* STC: 1000w/m², 25°C, AM 1.5

OTHER PARAMETERS

Cell Type	Mono Crystalline
Cell Dimensions	156*156mm(6inch)
Cell Arrangement	72(6*12)
Weight	22kg(48.5lbs)
Module Dimensions	1960*990*40mm(77.2*39.0*1.6inch)
Cable Length	900mm(35.4inch)
Cable Cross Section Size	4mm ² (0.006sq.in)
Front Glass	3.2mm High Transmission, Tempered Glass
No.of Bypass Diodes	3/6
Packing Configuration (1)	26pcs/Pallet, 572pcs/40hq
Packing Configuration (2)	26pcs+5pcs/Pallet, 627pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP65/IP67

OPERATING CONDITIONS

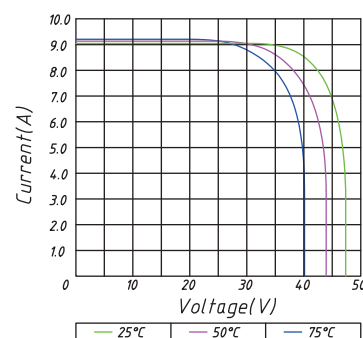
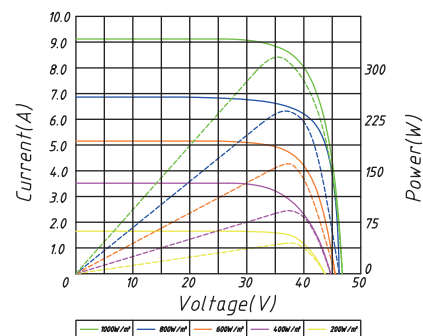
Maximum System Voltage	1000V/DC(IEC)
Operating Temp.	-40°C~+85°C
Maximum Series Fuse	15A
Static Loading	5400Pa
Conductivity at Ground	≤ 0.1Ω
Safety Class	II
Resistance	≥100MΩ
Connector	MC4 Compatible

ZHONGLI TALESUN SOLAR CO.,LTD.

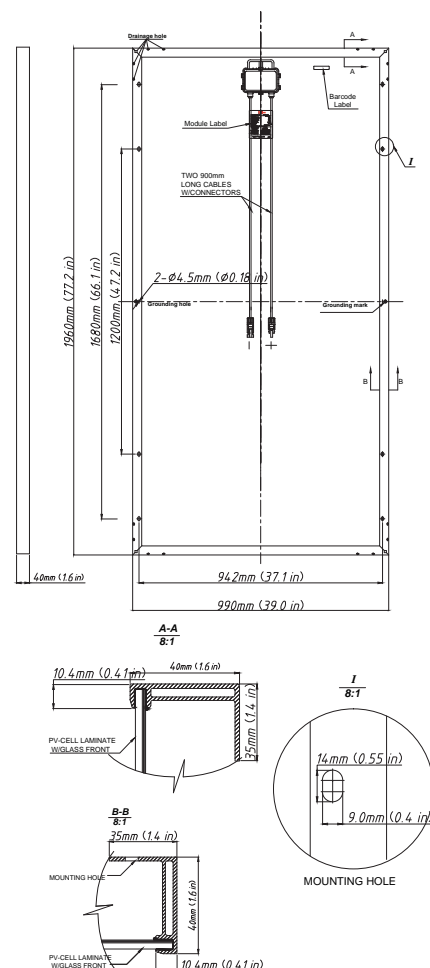
Email: sales@talesun.com Web: www.talesun.com Tel: + 86 400 885 1098

I-V CURVE

TP672M Pm(W)320



TECHNICAL DRAWINGS



TP672P

72 CELL SERIES



KEY FEATURES

330W

Highest power output

PID Free

Certified by TUV Rheinland

10 years

Material & workmanship warranty

25 years

Linear power output warranty

- Positive power tolerance: 0-+3%
- Robust design: Certified to withstand up to 3800 Pa wind load and up to 5400 Pa snow load
- Proved high reliability built on dozens of projects
- Four busbar cell: Improve the efficiency of modules

QUALITY WARRANTY

TALESUN guarantees that defects will not appear in materials and workmanship defined by IEC61215, IEC61730 and UL1703 under normal installation, use and maintenance as specified in Talesun's installation manual for 10 years from the warranty starting date.



ABOUT TALESUN

Zhongli Talesun Solar Co., Ltd. is one of the world's largest integrated PV manufacturers. Its standard and high-efficiency product offerings are among the most powerful and cost-effective in the industry. With over 3.5 GW of modules installed globally, we are a leading solar energy company built upon proven product reliability and sustainable performance.

PERFORMANCE WARRANTY

Polycrystalline Solar Cell Modules

- During the first year, TALESUN guarantees the nominal power output of the product will be no less than 97.5% of the labeled power output.
- From year 2 to year 24, the nominal power decline will be no more than 0.7% in each year; by the end of year 25, the nominal power output will be no less than 80.7% of the labeled power output.

ELECTRICAL PARAMETERS

Model	TP672P				
Maximum Power (Pmax/W)	310	315	320	325	330
Operating Voltage (Vmpp/V)	36.5	36.8	37.1	37.4	37.7
Operating Current (Impp/A)	8.50	8.56	8.63	8.70	8.76
Open-Circuit Voltage (Voc/V)	45.0	45.2	45.5	45.7	45.9
Short-Circuit Current (Isc/A)	9.06	9.11	9.16	9.22	9.27
Module Efficiency ηm(%)	16.0	16.2	16.5	16.7	17.0
Power Tolerance	0~+3%				
Temperature Coefficient	Pmax	-0.40%/℃			
	Voc	-0.31%/℃			
	Isc	+0.06%/℃			
Noct	45±2℃				

* STC: 1000w/m², 25 °C, AM 1.5

OTHER PARAMETERS

Cell Type	Poly Crystalline
Cell Dimensions	156*156mm(6inch)
Cell Arrangement	72(6*12)
Weight	22kg(48.5lbs)
Module Dimensions	1960*990*40mm(77.2*39.0*1.6inch)
Cable Length	900mm(35.4inch)
Cable Cross Section Size	4mm ² (0.006sq.in)
Front Glass	3.2mm High Transmission, Tempered Glass
No.of Bypass Diodes	3/6
Packing Configuration (1)	26pcs/Pallet, 572pcs/40hq
Packing Configuration (2)	26pcs+5pcs/Pallet, 627pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP65/IP67

OPERATING CONDITIONS

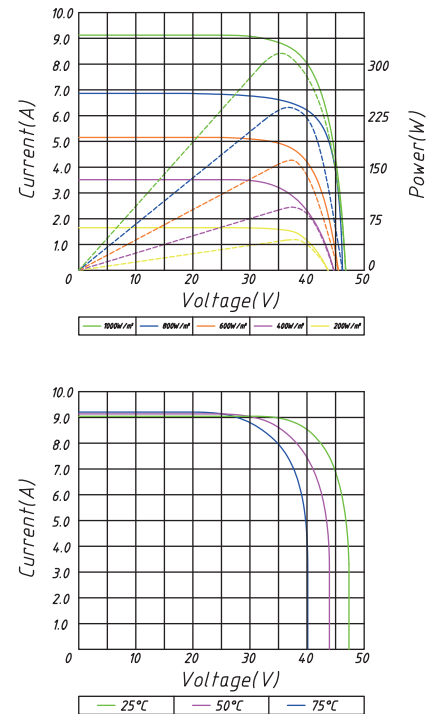
Maximum System Voltage	1000V/DC(IEC)
Operating Temp.	-40 °C ~+85 °C
Maximum Series Fuse	15A
Static Loading	5400Pa
Conductivity at Ground	≤ 0.1Ω
Safety Class	II
Resistance	≥100MΩ
Connector	MC4 Compatible

ZHONGLI TALESUN SOLAR CO.,LTD.

Email: sales@talesun.com Web: www.talesun.com Tel: + 86 400 885 1098

I-V CURVE

TP672P Pm(W)310



TECHNICAL DRAWINGS

