

TWINKLE

60 CELL SERIES



KEY FEATURES

100% PID Free

10 years

Material & workmanship warranty

30 years

Linear power output warranty

- Excellent corrosion resist, build to last in the harsh environment such as desert, seaside and water front
- Robust design: Certified to withstand up to 2400 Pa wind load and up to 5400 Pa snow load
- 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

Talesun Solar Technologies 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 6 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% of the labeled power output.
- From year 2 to year 29, the nominal power decline will be no more than 0.5% in each year; by the end of year 30, the nominal power output will be no less than 82.5% of the labeled power output.

ELECTRICAL PARAMETERS

Model	TD660M		
Maximum Power (Pmax/W)	270	275	280
Operating Voltage (Vmpp/V)	31.3	31.5	31.8
Operating Current (Impp/A)	8.64	8.73	8.81
Open-Circuit Voltage (Voc/V)	38.5	38.7	38.9
Short-Circuit Current (Isc/A)	9.24	9.30	9.35
Module Efficiency ηm(%)	16.1	16.4	16.7
Power Tolerance	0-+3%		
Temperature Coefficient	Pmax	-0.39%/C	
	Voc	-0.30%/C	
	Isc	+0.05%/C	
Noct	45±2°C		

* 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	21.5kg(47.40lbs)
Module Dimensions	1674*1001*28mm(65.9*39.4*1.1inch)
Cable Length	900mm(35.4inch)
Cable Cross Section Size	4mm ² (0.006sq.in)
Front Glass	2.0mm High Transmission, Tempered Glass
Back Glass	2.0mm Float Tempered Glass
No. of Bypass Diodes	3
Packing Configuration	35pcs/Pallet, 910pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP65/IP67

OPERATING CONDITIONS

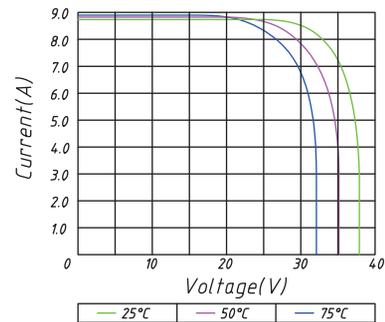
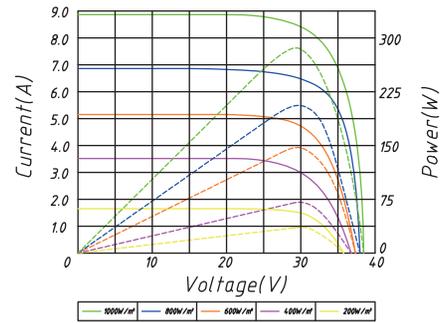
Maximum System Voltage	1000V/DC(IEC)
Operating Temp.	-40°C +85°C
Maximum Series Fuse	15A
Static Loading	5400Pa
Conductivity at Ground	≤ 0.1Ω
Safety Class	II
Resistance	≥ 100MΩ
Connector	MC4 Compatible

TALESUN SOLAR TECHNOLOGIES CO.,LTD.

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I-V CURVE

TD660M Pm(W)270



TECHNICAL DRAWINGS

