

# TEEJOIN







## Full-Black Series

D6 · 330-350W  
MWT Mono PERC All Black Module

**20.5%**

Module efficiency up to 20.5%

### Features

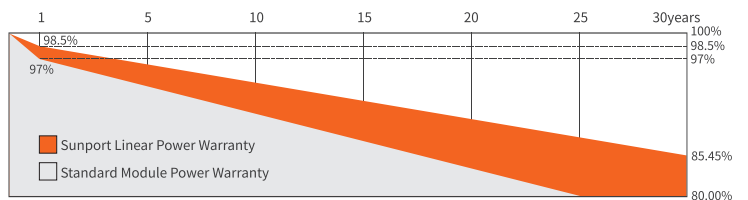
-  **Full Black**  
All black design for more elegant applications
-  **High Reliability**  
Conductive back sheet's 2D encapsulation avoids welding stress and micro crack, resulting lower degradation under multiple harsh testing conditions
-  **High Mechanical Loading Tolerance**  
Mechanical Load: 5400Pa(front)/2400Pa(rear)
-  **High Efficiency**  
Busbar-free design increases cell conversion efficiency, more power output can be achieved at low irradiance conditions
-  **High ROI**  
Single-glass modules with global 30-year performance warranty bring higher return on investment
-  **Lead Free**  
Eco-friendly PV design achieves lead-free MWT module without soldering materials

### Reinsurance Coverage for 30 Years



Insured by PICC and LLOYD'S

**PICC LLOYD'S**



※1st year degradation less than 1.5%, 30 years linear power output 85.45% guaranteed.

### Comprehensive Qualifications & Certifications

- ★CQC Top Runner Advanced Technology Certification (4A class)
- ★ISO 9001:2015 Quality Management System
- ★ISO 45001:2018 Occupation Health Safety Management System
- ★TUV NORD Certification
- ★ISO 14001:2015 Environment Management System



Guangdong Teejoin Solar Technoklogy Co.,Ltd

## Electrical Characteristics at Standard Test Conditions(STC)

Spec/Model	Unit	SPP330N60H	SPP335N60H	SPP340N60H	SPP345N60H	SPP350N60H
Max-Power(Pm)	W	330	335	340	345	350
Power Tolerance	W			0~+5		
Max-Power Voltage(Vm)	V	33.0	33.2	33.4	33.6	33.8
Max-Power Current(I <sub>m</sub> )	A	10.01	10.10	10.18	10.27	10.37
Open-Circuit Voltage(Voc)	V	40.1	40.3	40.5	40.7	40.9
Short-Circuit Current(I <sub>sc</sub> )	A	10.52	10.61	10.70	10.79	10.89
Module Efficiency(η <sub>m</sub> )	%	19.4	19.7	20.0	20.2	20.5

STC: AM=1.5, Irradiation 1000W/m<sup>2</sup>, Module Temperature 25°C

## Electrical Characteristics at Nominal Module Operating Temperature (NMOT)

Spec/Model	Unit	SPP330N60H	SPP335N60H	SPP340N60H	SPP345N60H	SPP350N60H
Max-Power(Pm)	W	248	252	256	260	264
Max-Power Voltage(Vm)	V	31.0	31.2	31.4	31.6	31.8
Max-Power Current(I <sub>m</sub> )	A	8.01	8.09	8.16	8.24	8.31
Open-Circuit Voltage(Voc)	V	37.8	38.0	38.2	38.4	38.6
Short-Circuit Current(I <sub>sc</sub> )	A	8.52	8.60	8.68	8.76	8.84

NMOT: Irradiation 800W/m<sup>2</sup>, Ambient temperature 20°C, Wind Speed 1m/s

## Temperature Coefficient

Nominal Module Operating Temperature	43±2°C
Temperature coefficient of P <sub>max</sub>	-0.36%/°C
Temperature coefficient of Voc	-0.28%/°C
Temperature coefficient of I <sub>sc</sub>	0.06%/°C

## Package

Transportation	Container Size	Quantity(pcs)	Quantity(per pallet)
Container	40' HC	1008/1064	36

## Mechanical Characteristics

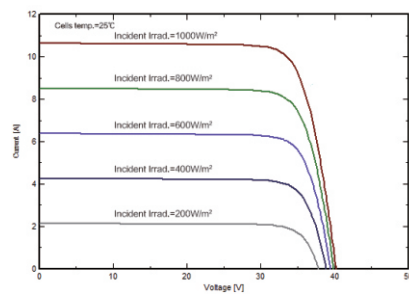
Dimension(L×W×H)	1679mmx1015mmx30mm
Weight	19.5kg
Glass Type	High Transmittance Anti-reflective Coated Tempered Glass / 3.2mm
Solar Cell	60(10x6) / Mono
Encapsulant	EVA
Frame	Anodized Aluminum Alloy / Black
Junction Box	IP68
Cable	1000mm / 4mm <sup>2</sup>
Connector	MC4 Compatible

## Operating Conditions

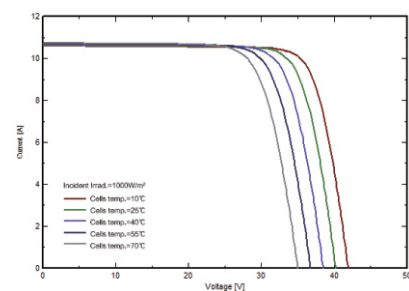
Max System Voltage	1500V(TUV)
Max Fuse Rated Current	15A
Operating Temperature Range	-40°C~+85°C
Mechanical Load	5400Pa (front) /2400Pa (rear)
Max Allowable Hail Load	φ25mm hail, from 1m of distance at 23 m/s
Application Class	Class A

## I-V Curve

I-V Curve at different irradiation (SPP340N60H)



I-V Curve at different temperature (SPP340N60H)



## Module Size

