



Full-Black

PERC375

355-375W

MWT Mono PERC Half-Cut All Black Module

20.9%

Module efficiency up to 20.9%

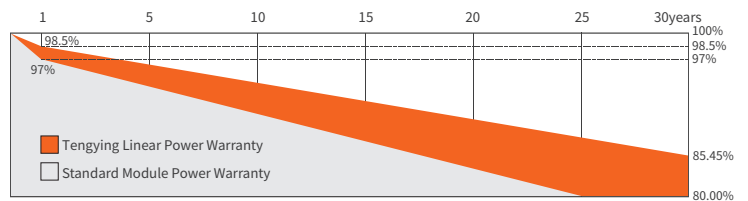
Features

-  **Full Black**
All black design for more elegant applications
-  **High Efficiency**
Busbar-free design increases cell conversion efficiency, more power output can be achieved at low irradiance conditions
-  **Innovative Layout**
Innovative back contact module layout with asymmetric design for higher efficiency power
-  **High Reliability**
Conductive back sheet's 2D encapsulation avoids welding stress and micro crack, resulting lower degradation under multiple harsh testing 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 PAIC and LLOYD'S
PING AN 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)
- ★ TUV NORD Certification
- ★ ISO 9001:2015 Quality Management System
- ★ ISO 14001:2015 Environment Management System
- ★ ISO 45001:2018 Occupation Health Safety Management System



Electrical Characteristics at Standard Test Conditions(STC)

Spec/Model	Unit	PERC355	PERC360	PERC365	PERC370	PERC375
Max-Power(Pm)	W	355	360	365	370	375
Power Tolerance	W			0~+5		
Max-Power Voltage(Vm)	V	35.3	35.5	35.7	35.8	35.9
Max-Power Current(I _m)	A	10.06	10.15	10.23	10.34	10.45
Open-Circuit Voltage(V _{oc})	V	42.7	42.9	43.1	43.3	43.5
Short-Circuit Current(I _{sc})	A	10.59	10.69	10.78	10.87	10.95
Module Efficiency(η _m)	%	19.7	20.0	20.3	20.6	20.9

STC: AM=1.5, Irradiation 1000W/m², Module Temperature 25°C Power Tolerance ±3%

Electrical Characteristics at Nominal Module Operating Temperature (NMOT)

Spec/Model	Unit	PERC355	PERC360	PERC365	PERC370	PERC375
Max-Power(Pm)	W	266	269	273	277	281
Max-Power Voltage(Vm)	V	33.2	33.4	33.6	33.8	34.0
Max-Power Current(I _m)	A	8.02	8.06	8.13	8.20	8.27
Open-Circuit Voltage(V _{oc})	V	40.2	40.4	40.6	40.8	41.0
Short-Circuit Current(I _{sc})	A	8.57	8.62	8.72	8.80	8.88

NMOT: Irradiation 800W/m², Ambient temperature 20°C, Wind Speed 1m/s Power Production Tolerance ±3%

Temperature Coefficient

Nominal Module Operating Temperature	43±2°C
Temperature coefficient of P _{max}	-0.36%/°C
Temperature coefficient of V _{oc}	-0.28%/°C
Temperature coefficient of I _{sc}	0.06%/°C

Package

Transportation	Container Size	Quantity(pcs)	Quantity(per pallet)
Container	40' HQ	936/988	36

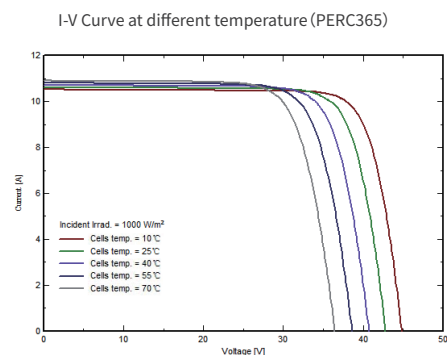
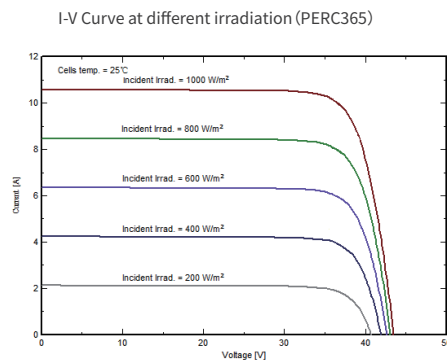
Mechanical Characteristics

Dimension(L×W×H)	1771mmx1015mmx30mm
Weight	20kg
Glass Type	High Transmittance Anti-reflective Coated Tempered Glass /3.2mm
Solar Cell	126(21×6) / Mono / Half-cell
Encapsulant	EVA
Frame	Anodized Aluminum Alloy / Black
Junction Box	IP68
Cable	4mm ² , 350mm (+) / 150mm (-); Customizable
Connector	MC4 Compatible

Operating Conditions

Max System Voltage	DC1500V(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



Module Size

