

Full-Black

PERC385A







365-385W

MWT Mono PERC Half-Cut All Black Module

20.6%

Module efficiency up to 20.6%

Features

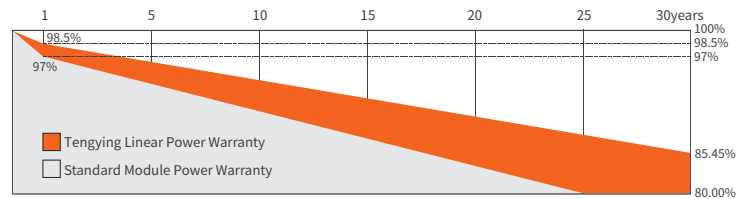
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Full Black
 All black design for more elegant applications
- 
Innovative Layout
 Innovative back contact module layout with asymmetric design for higher efficiency power
- 
High ROI
 Single-glass modules with global 30-year performance warranty bring higher return on investment
- 
High Efficiency
 Busbar-free design increases cell conversion efficiency, more power output can be achieved at low irradiance conditions
- 
High Reliability
 Conductive back sheet's 2D encapsulation avoids welding stress and micro crack, resulting lower degradation under multiple harsh testing conditions
- 
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	PERC365A	PERC370A	PERC375A	PERC380A	PERC385A
Max-Power(Pm)	W	365	370	375	380	385
Power Tolerance	W			0~+5		
Max-Power Voltage(Vm)	V	35.1	35.3	35.5	35.7	35.9
Max-Power Current(I _m)	A	10.4	10.49	10.57	10.65	10.73
Open-Circuit Voltage(V _{oc})	V	42.4	42.6	42.8	43.0	43.2
Short-Circuit Current(I _{sc})	A	10.94	11.02	11.10	11.18	11.26
Module Efficiency(η _m)	%	19.5	19.8	20.1	20.3	20.6

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	PERC365A	PERC370A	PERC375A	PERC380A	PERC385A
Max-Power(Pm)	W	274	278	282	286	290
Max-Power Voltage(Vm)	V	32.3	32.5	32.7	32.9	33.1
Max-Power Current(I _m)	A	8.49	8.56	8.63	8.7	8.77
Open-Circuit Voltage(V _{oc})	V	39.6	39.8	40.0	40.2	40.4
Short-Circuit Current(I _{sc})	A	8.90	8.96	9.02	9.08	9.14

NMOT: Irradiation 800W/m², Ambient temperature 20°C, Wind Speed 1m/s

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	864	36

Mechanical Characteristics

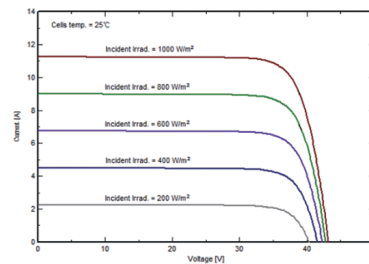
Dimension(L×W×H)	1805mmx1035mmx30mm
Weight	20kg
Glass Type	High Transmittance Anti-reflective Coated Tempered Glass /3.2mm
Solar Cell	126(21×6) / Mono / Half-cell
Encapsulant	EVA
Frame	Anodized Aluminum Alloy / Black
Junction Box	IP68
Cable	4mm ² , 350mm (+) / 150mm (-); Customizable
Connector	MC4 Compatible

Operating Conditions

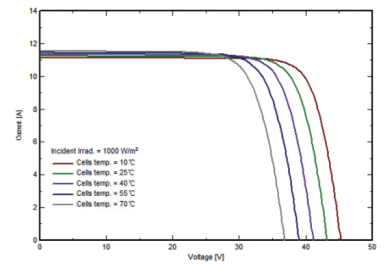
Max System Voltage	DC1500V(TUV)
Max Fuse Rated Current	20A
Operating Temperature Range	-40°C~+85°C
Mechanical Load	5400Pa (front) /2400Pa (rear)
Max Allowable Hail Load	φ25mm hail, from 1m of distance at 23 m/s
Application Class	Class A

I-V Curve

I-V Curve at different irradiation (PERC385A)



I-V Curve at different temperature (PERC385A)



Module Size

