

Monocrystalline Solar Module

555W-575W Mono BIFACIAL

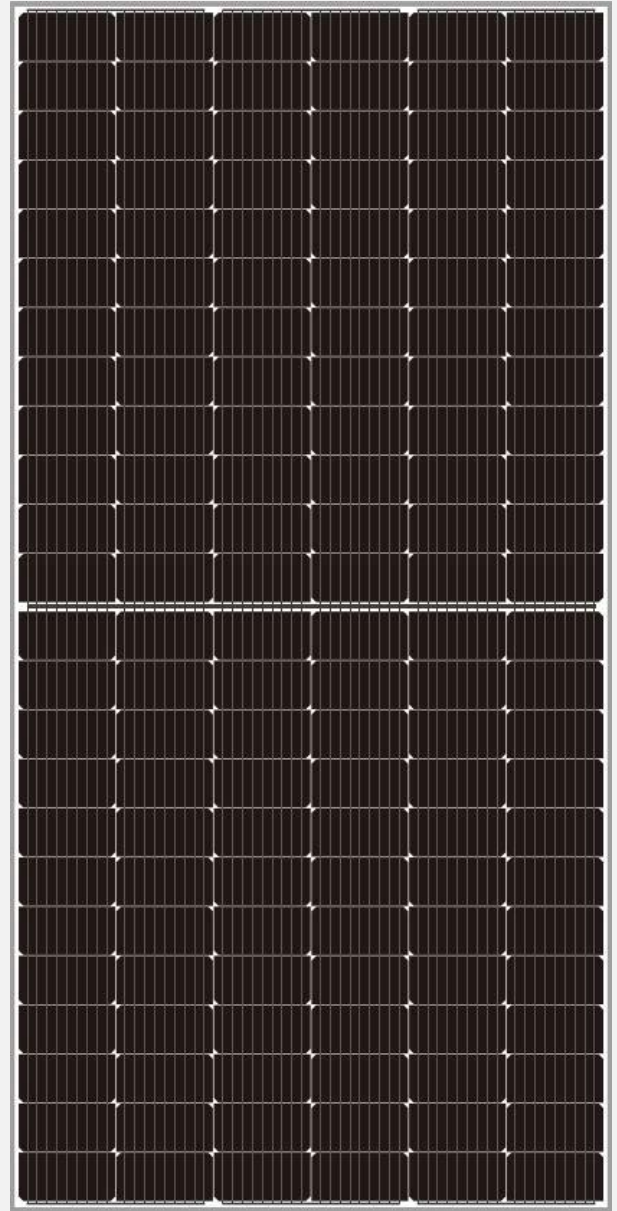
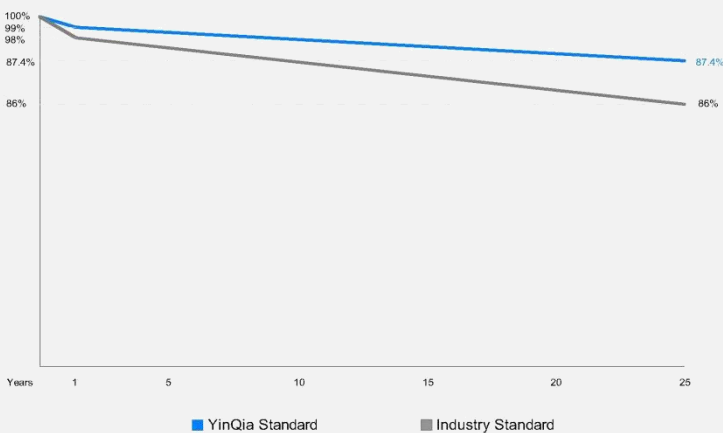
182mm N-TOPCon Cell 144 Half-cell Layout

Features

- ◆ High cell efficiency with quality silicon material for long term output stability and reliability
- ◆ Rigorous quality control to meet highest international standards
- ◆ High transmittance low iron tempered glass with enhanced Stiffness and impact resistance
- ◆ Unique frame design with high mechanical strength for easy installation
- ◆ Advanced encapsulation material with multi-layer sheet lamination to provide efficient protection from the severest environmental conditions
- ◆ Outstanding electrical performance under high temperature and low irradiance conditions

Applications

- ◆ Any large or small on-grid or off-grid solar power stations
- ◆ Commercial and industrial building roof-top systems
- ◆ Residential roof-top systems
- ◆ Any commercial or industrial ground mount systems
- ◆ Other industrial or commercial applications



- ISO9001:2015QMS
- ISO14001:2015EMS
- ISO45001:2018OHSMS
- IEC/EN 61215, IEC/EN 61730 Standard



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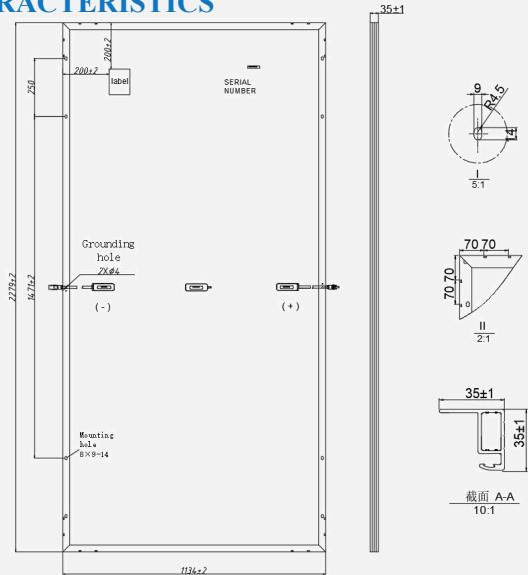
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YQ Mono I 555W-575W BIAFACIAL

MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
NO.of Cells	144(6×24)
Dimensions	2279×1134×35mm
Weight	32kgs
Front Glass	2.0mm coated semi tempered glass
Back Glass	2.0mm semi-tempered
Junction Box	Ip68 rated(3 by pass diodes)
	4.0mm ²
Output Cables	300mm
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



ELECTRICAL PARAMETERS

POWER CLASS	YQTD-555ND	YQTD-560ND	YQTD-565ND	YQTD-570ND	YQTD-575ND
	STC	STC	STC	STC	STC
Maximum power (Pmax)	555W	560W	565W	570W	575W
Open Circuit Voltage (Voc)	51.00V	51.14V	51.28V	51.41V	51.55V
Short Circuit Current (Isc)	13.94A	14.01A	14.08A	14.15A	14.22A
Voltage at Maximum power (Vmpp)	41.95V	42.11V	42.26V	42.41V	42.56V
Current Maximum Power (Impp)	13.23A	13.30A	13.37A	13.44A	13.51A
MODULE EFFICIENCY (%)	21.48%	21.67%	21.86%	22.06%	22.25%

STC:Irradiance 1000W/m²,cell temperature 25°C,AM 1.5G NOCT:Irradiance 800W/m²,ambient temperature 20°C,wind speed 1m/s,AM 1.5G

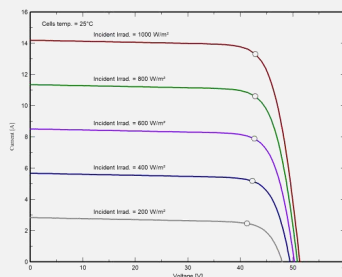
BIFACIAL OUTPUT-REARSIDE POWER GAIN

5%	Maximum power (Pmax)	583W	588W	593W	599W	604W
	Module Efficiency STC (%)	22.55%	22.75%	22.96%	23.16%	23.36%
15%	Maximum power (Pmax)	638W	644W	650W	656W	661W
	Module Efficiency STC (%)	24.70%	24.92%	25.14%	25.36%	25.59%
25%	Maximum power (Pmax)	694W	700W	706W	713W	719W
	Module Efficiency STC (%)	26.84%	27.09%	27.33%	27.57%	27.81%

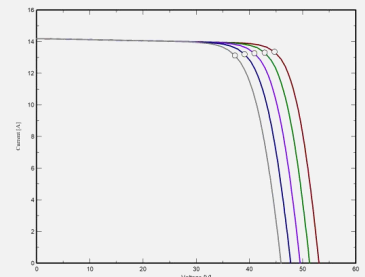
PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	31	31+31
Pallets/container	8	10
Piece/ container	248	620
Dimension/Pallet	1214×1138 mm	2339×1138 mm
Gross/pallet	968Kg	2032Kg

I-V CURVE



YQTD-560ND



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	25A
Power Tolerance	0/+5W

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.30%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.05%/°C

Note: Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. YQ SOLAR have the sole right to make such modification at anytime without further notice.