

Monocrystalline Solar Module

375W-420W Mono

黄山银洽新能源

YinQia SOLAR

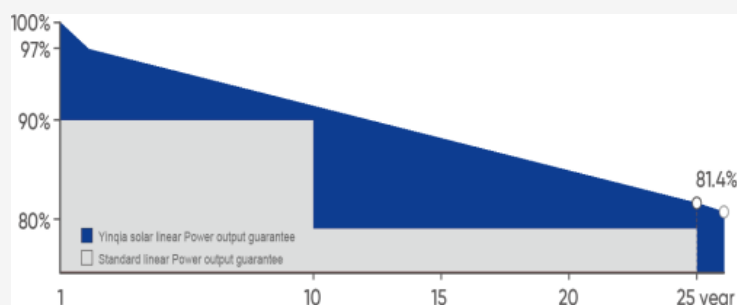
158.75MM Cell 144 Half-cell Layout

Features

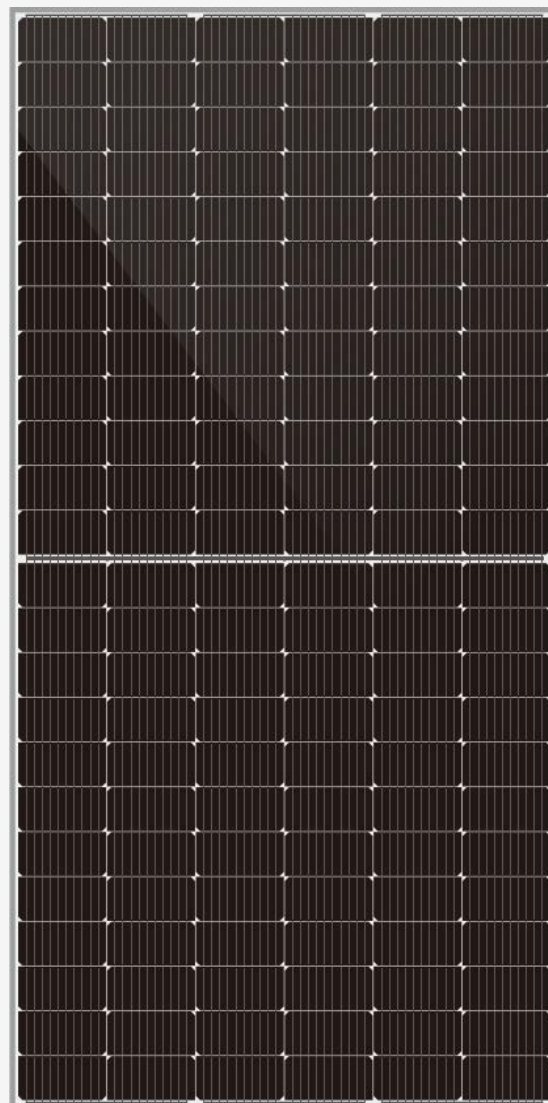
- ◆ High cell efficiency with quality silicon material for long term output stability and reliability
- ◆ Rigorous quality control to meet highest international standards
- ◆ High transmittance low iron tempered glass with enhanced Stiffness and impact resistance
- ◆ Unique frame design with high mechanical strength for easy installation
- ◆ Advanced encapsulation material with multiplayer 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



Linear performance Warranty



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

12
YEARS

Quality
Warranty

25
YEARS

Power
Warranty



HUANGSHAN YINQIA NEW ENERGY TECHNOLOGY CO.,LTD.

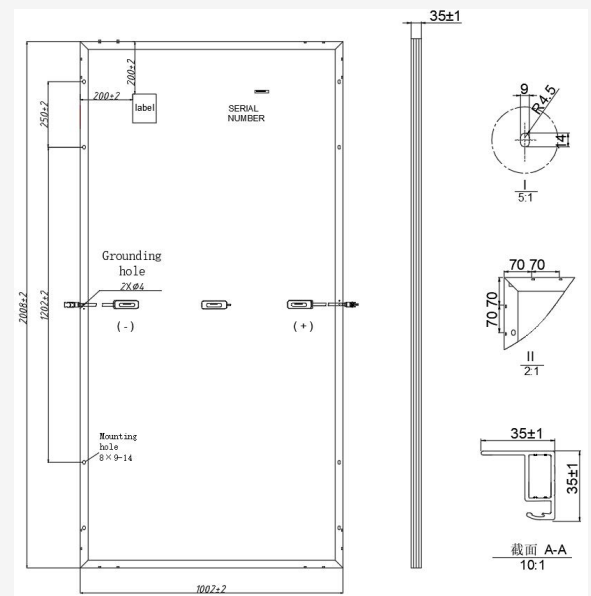
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MECHANICAL CHARACTERISTICS

Solar Cells	Mono
NO.of Cells	144(6×24)
Dimensions	2008×1002×35mm
Weight	22kg
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
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

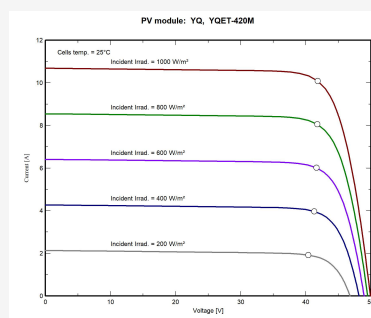
POWER CLASS	YQET-375M		YQET-395M		YQET-405M		YQET-410M		YQET-420M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (Pmax)	375W	281W	395W	296W	405W	304W	410W	308W	420W	315W
Open Circuit Voltage (Voc)	48.68V	44.36V	49.18V	45.23V	49.58V	45.71V	49.68V	45.97V	49.91V	46.54V
Short Circuit Current (Isc)	10.22A	8.34A	10.38A	8.62A	10.49A	8.74A	10.53A	8.8A	10.68A	8.91A
Voltage at Maximum power (Vmpp)	39.1V	36.36V	39.86V	37.07V	40.29V	37.47V	40.52V	37.68V	41.02V	38.15V
Current Maximum Power (Impp)	9.59A	7.73A	9.91A	7.99A	10.06A	8.11A	10.12A	8.16A	10.24A	8.26A
MODULE EFFICIENCY (%)	18.6		19.6		20.1		20.4		20.9	

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

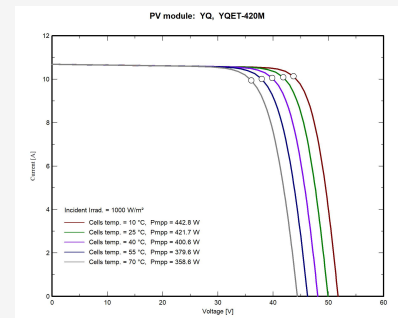
PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	31+31	31+31
Pallets per container	5	11
Pieces per container	310	682
Dimension/Pallet	2068×1138 mm	2068×1138 mm
Gross weight/pallet	1408Kg	1408Kg

I-V CURVE



YQET-420M/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40℃ to +85℃	Nominal Operating Temperature (NOCT)	45±2℃
Maximum System Voltage	1500 DC (IEC)	Temperature Coefficient of Pmax	-0.36%℃
Maximum Series Fuse Rating	20A	Temperature Coefficient of Voc	-0.28%℃
Power Tolerance	0/+5W	Temperature Coefficient of Isc	+0.05%℃

TEMPERATURE CHARACTERISTICS

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.