

# Monocrystalline Solar Module

605W-625W Mono BIFACIAL

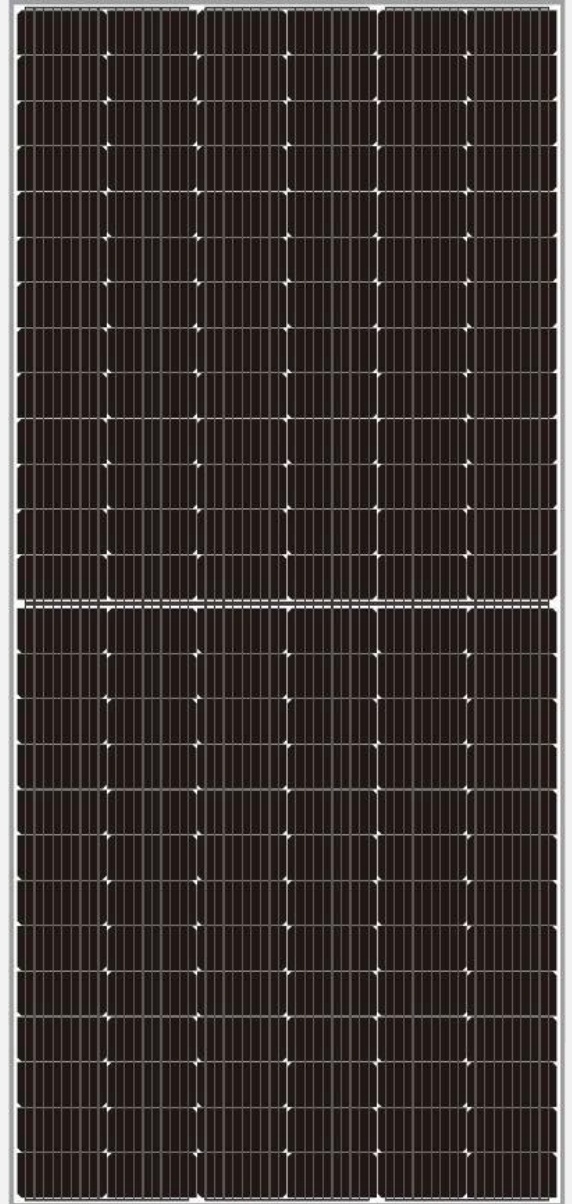
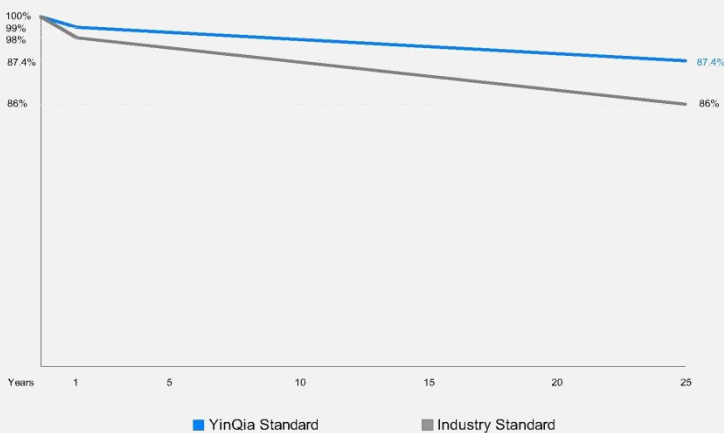
182mm N-TOPCon Cell 156 Half-cell Layout

## 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



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



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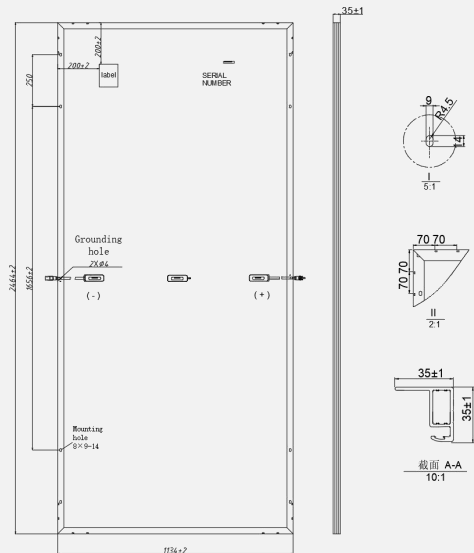
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# YQ Mono I 605W-625W BIAFACIAL

## MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
NO.of Cells	144(6×26)
Dimensions	2464×1134×35mm
Weight	35kgs
Front Glass	2.0mm coated semi tempered glass
Back Glass	2.0mm semi-tempered
Junction Box	Ip68 rated(3 by pass diodes)
	4.0mm <sup>2</sup>
Output Cables	300mm
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



## ELECTRICAL PARAMETERS

POWER CLASS	YQTC-605ND	YQTC-610ND	YQTC-615ND	YQTC-620ND	YQTC-625ND
	STC	STC	STC	STC	STC
Maximum power (Pmax)	<b>605W</b>	<b>610W</b>	<b>615W</b>	<b>620W</b>	<b>625W</b>
Open Circuit Voltage (Voc)	<b>55.30V</b>	<b>55.41V</b>	<b>55.53V</b>	<b>55.64V</b>	<b>55.75V</b>
Short Circuit Current (Isc)	<b>13.97A</b>	<b>14.04A</b>	<b>14.11A</b>	<b>14.18A</b>	<b>14.25A</b>
Voltage at Maximum power (Vmpp)	<b>45.63V</b>	<b>45.76V</b>	<b>45.90V</b>	<b>46.03V</b>	<b>46.16V</b>
Current Maximum Power (Impp)	<b>13.26A</b>	<b>13.33A</b>	<b>13.40A</b>	<b>13.47A</b>	<b>13.54A</b>
MODULE EFFICIENCY (%)	<b>21.64%</b>	<b>21.82%</b>	<b>22.00%</b>	<b>22.18%</b>	<b>22.36%</b>

STC:Irradiance 1000W/m<sup>2</sup>,cell temperature 25°C,AM 1.5G NOCT:Irradiance 800W/m<sup>2</sup>,ambient temperature 20°C,wind speed 1m/s,AM 1.5G

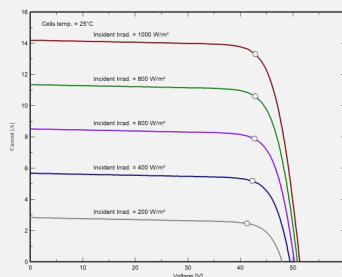
## BIFACIAL OUTPUT-REARSIDE POWER GAIN

%		YQTC-605ND	YQTC-610ND	YQTC-615ND	YQTC-620ND	YQTC-625ND
		Maximum power (Pmax)	<b>635W</b>	<b>641W</b>	<b>646W</b>	<b>651W</b>
	Module Efficiency STC (%)	<b>22.73%</b>	<b>22.91%</b>	<b>23.10%</b>	<b>23.29%</b>	<b>23.48%</b>
15%	Maximum power (Pmax)	<b>696W</b>	<b>702W</b>	<b>707W</b>	<b>713W</b>	<b>719W</b>
	Module Efficiency STC (%)	<b>24.89%</b>	<b>25.10%</b>	<b>25.30%</b>	<b>25.51%</b>	<b>25.71%</b>
25%	Maximum power (Pmax)	<b>756W</b>	<b>763W</b>	<b>769W</b>	<b>775W</b>	<b>781W</b>
	Module Efficiency STC (%)	<b>27.05%</b>	<b>27.28%</b>	<b>27.50%</b>	<b>27.73%</b>	<b>27.95%</b>

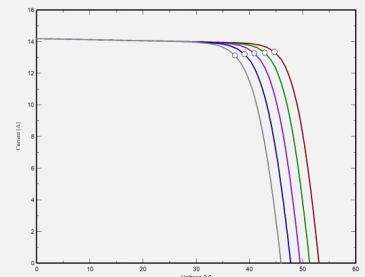
## PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	31	31+31
Pallets/container	8	9
Piece/ container	248	558
Dimension/Pallet	1214×1138 mm	2530×1138 mm
Gross/pallet	1107Kg	2218Kg

## I-V CURVE



## YQTC-610ND



## 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.