

# Monocrystalline Solar Module

690W-710W Mono BIFACIAL

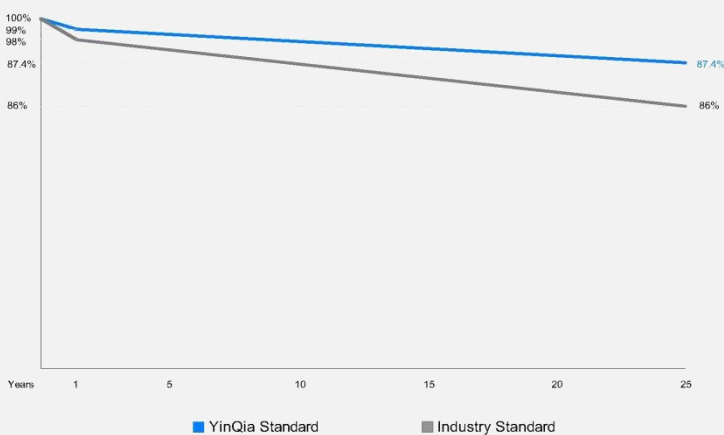
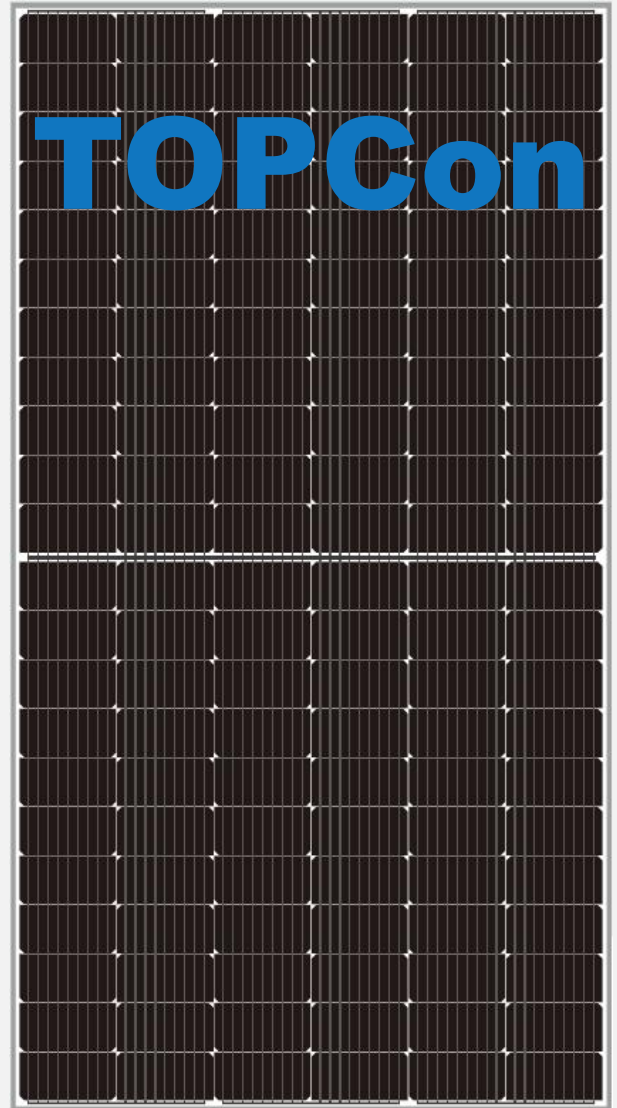
210mm N-TOPCon Cell 132 Half-cell Layout

## 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



HUANGSHAN YINQIA NEW ENERGY TECHNOLOGY CO.,LTD.

ADD: YANGXI ROAD, HUANGSHAN INDUSTRIAL PARK, HUANGSHAN REGION, HUANGSHAN, ANHUI, CHINA

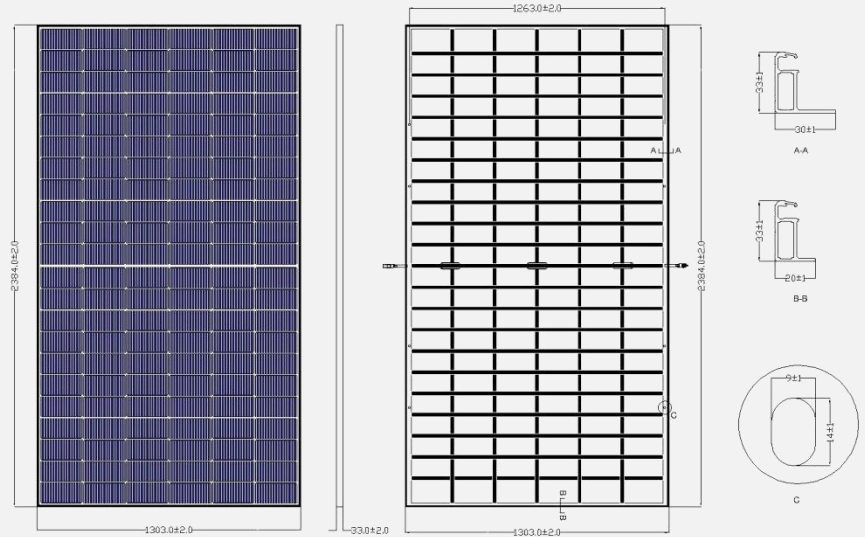
TEL:+86 559 8515292 | FAX:+86 559 8515296 | sales@yinqiasolar.com

www.yinqiasolar.com

# YQMono I 690W-710W BIFACIAL

## MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
NO.of Cells	132(6×22)-(210mm×105mm)
Dimensions	2384×1303×33mm
Weight	38 kg
Front Glass	2.0mm coated semi tempered
Back Glass	2.0mm semi-tempered
Junction Box	Ip68 rated(3 by pass diodes)
	4.0 mm <sup>2</sup>
Output Cables	300 mm
	Length can be customized
Connectors	Mc4 compatible
Mechanical load	5400Pa



## ELECTRICAL PARAMETERS

POWER CLASS	YQPL-690ND	YQPL-695ND	YQPL-700ND	YQPL-705ND	YQPL-710ND
	STC	STC	STC	STC	STC
Maximum power (Pmax)	<b>690W</b>	<b>695W</b>	<b>700W</b>	<b>705W</b>	<b>710W</b>
Open Circuit Voltage (Voc)	<b>47.85V</b>	<b>48.00V</b>	<b>48.15V</b>	<b>48.30V</b>	<b>48.45V</b>
Short Circuit Current (Isc)	<b>18.26A</b>	<b>18.30A</b>	<b>18.34A</b>	<b>18.38A</b>	<b>18.42A</b>
Voltage at Maximum power (Vmpp)	<b>40.10V</b>	<b>40.30V</b>	<b>40.50V</b>	<b>40.70V</b>	<b>40.90V</b>
Current Maximum Power (Impp)	<b>17.21A</b>	<b>17.25A</b>	<b>17.29A</b>	<b>17.33A</b>	<b>17.37A</b>
MODULE EFFICIENCY (%)	<b>22.2%</b>	<b>22.4%</b>	<b>22.5%</b>	<b>22.7%</b>	<b>22.9%</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

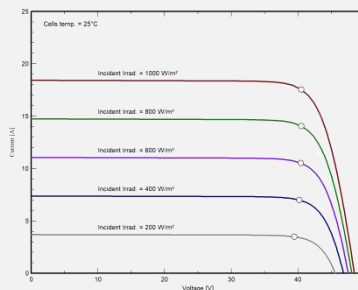
## BIFACIAL OUTPUT-REARSIDE POWER GAIN

5%	Maximum power (Pmax)	<b>724W</b>	<b>729W</b>	<b>735W</b>	<b>740W</b>	<b>745W</b>
	Module Efficiency STC (%)	<b>23.3%</b>	<b>23.5%</b>	<b>23.7%</b>	<b>23.8%</b>	<b>24.0%</b>
15%	Maximum power (Pmax)	<b>793W</b>	<b>799W</b>	<b>805W</b>	<b>810W</b>	<b>816W</b>
	Module Efficiency STC (%)	<b>25.5%</b>	<b>25.7%</b>	<b>25.9%</b>	<b>26.1%</b>	<b>26.3%</b>
25%	Maximum power (Pmax)	<b>862W</b>	<b>868W</b>	<b>875W</b>	<b>881W</b>	<b>887W</b>
	Module Efficiency STC (%)	<b>27.7%</b>	<b>27.9%</b>	<b>28.2%</b>	<b>28.4%</b>	<b>28.6%</b>

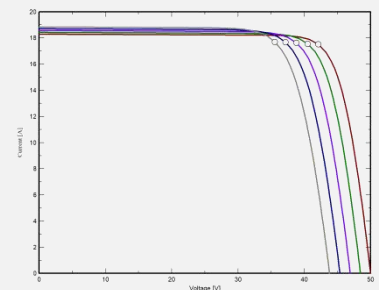
## PACKING CONFIGURATION

Container	40' HQ
Pieces per pallet	32
Pallets/container	18
Piece/ container	576
Dimension/Pallet	1330×1130 mm
Gross/pallet	1240Kg

## I-V CURVE



## I-V CURVE



## OPERATING CHARACTERISTICS

Operating	Module	-40°C to +85°C
Maximum System Voltage		1500 DC (IEC)
Maximum Series Fuse Rating		35A
Power Tolerance		0/+5W

## TEMPERATURE CHARACTERISTICS

Nominal	Operating	Temperature	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.