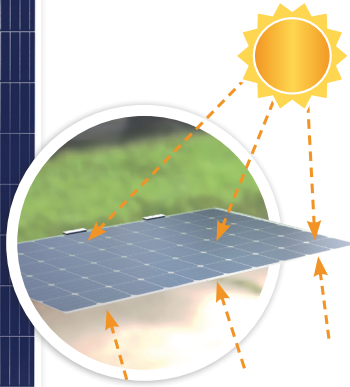
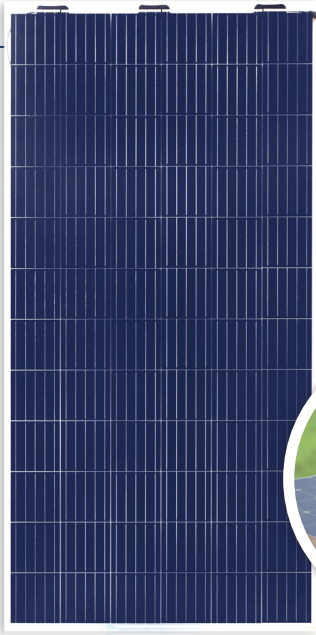




GTC is a photovoltaic module producer based in Adiyaman, Turkey. Our automated production line of 135MW has been designed for the assembly of double glass modules, including automatic quality controls at all critical process steps. The new bifacial module developed by our accredited R&D Center maximizes the yield of any power plant at low cost. Another step to reduce LCOE for green energy producers!

The bifacial module can generate electricity from both sides. The backside uses the reflection of the ground depending on its Albedo factor and all potential diffused lights from the environment.

The module can be used in various applications like carport, fixed ground mount, trackers, rooftops, floating, sun breakers and more. The PV panel has been developed to resist to harsh environmental conditions beyond IEC standards (6X technology), such as salt mist.

MADE ACCORDING TO

IEC 61215, IEC 61730-1, IEC 61730-2, IEC Extended Tests DH6000, HF60, TC1200

TSE EN 61701 Salt Mist Corrosion Test - Severity 6

ISO 9001:2015

ISO 14001:2015



OPTIMIZED YIELD

720W Front Side (STC)

>23% efficiency

***overall efficiency on white rooftop >24%**

***overall efficiency on white gravel land >25%**

Bifacial boost up to 30%, depending on Albedo

6X Durability Technology

Excellent low light performance

Better performance in hot climate



EXTREME ROBUST DESIGN

Double-Glass Frameless Design

Up to 50 years Service Time

Perfect to reduce LCOE

Fire Safe Class AA

100% PID free



GUARANTEED PERFORMANCE

84% power output after 30th year

30 years product warranty



INSTALLATION OPTIMIZATION

1500V - Longer String

Grounding free

Reduce space

Reduce BOS



O&M COST REDUCTION

Frameless design, no dust/snow collection

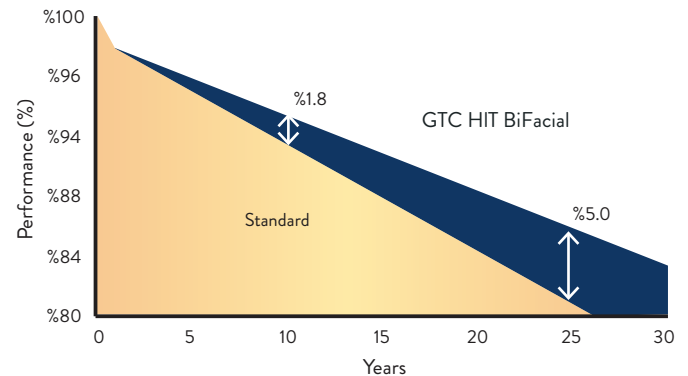
Better self cleaning



SUPERIOR AESTHETICS

Glass/Glass frameless

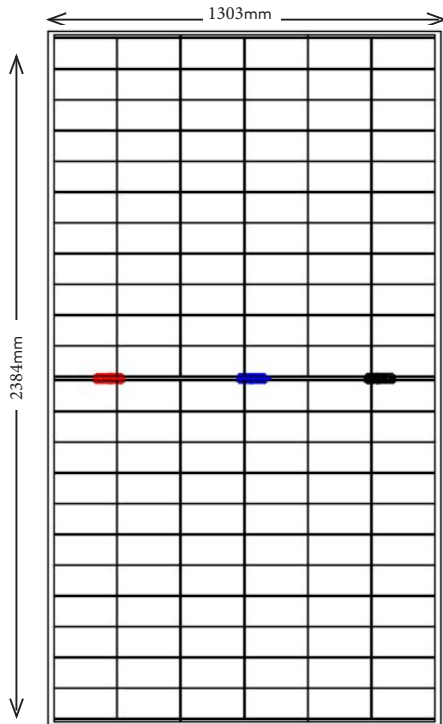
Transparent on request



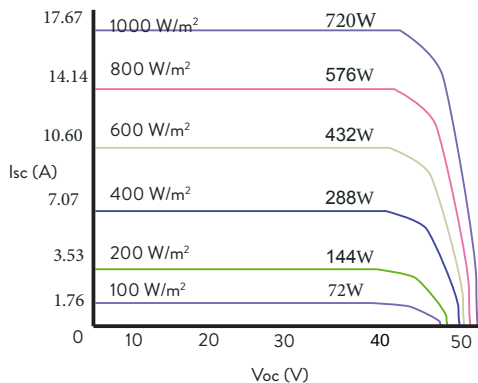
ENGINEERED AND MADE IN TURKEY

www.gtctrade.com - sales@gtctrade.com

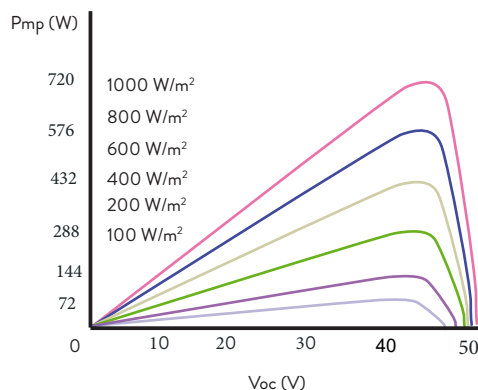
+90 416 290 35 35 / +90 216 370 52 16



I-V CURVE (PV MODULE 720W)



P-V CURVE (PV MODULE 720W)



ELECTRICAL PERFORMANCE

Max. Power P _{max} (W)	700	710	720
Max. Power Voltage V _{MPP} (V)	42.44	42.56	42.68
Max. Power Current I _{MPP} (A)	16.49	16.68	16.87
Open-Circuit Voltage V _{oc} (V)	50.55	50.70	50.84
Short-Circuit Current I _{sc} (A)	17.27	17.47	17.67
Performance η _m (%)	22.54	22.86	23.18

Standard Test Conditions (STC); 1000 W/m², AM1.5, 25 °C, Power Tolerance (W) +/- 3%. Measurements are done on a table type open flasher.

BOOST FROM THE BACKSIDE

+7%	Power (W)	749	760	770
	Performance (%)	24.11	24.47	24.79
+15%	Power (W)	805	817	828
	Performance (%)	25.92	26.30	26.66

Bifaciality depends on Albedo

ELECTRICAL PARAMETERS AT NOMINAL OPERATING CELL TEMPERATURE (NOCT)

Power Output P _{MAX} (W)	560	568	576
Max. Power Voltage V _{MPP} (V)	41.42	41.54	41.65
Max. Power Current I _{MPP} (A)	13.53	13.68	13.83
Open-Circuit Voltage V _{oc} (V)	48.95	49.09	49.23
Short-Circuit Current I _{sc} (A)	14.04	14.20	14.36

NOCT: open-circuit module operation temperature at 800W/m² irradiance, 20° C ambient temperature, 1m/s wind speed

OPERATING CONDITIONS

Operating Temperature	-40°C/+85°C
Max. System Voltage	1500V
Max. Series Fuse Rating	30A
Wind Load	2400 Pa
Snow Load	5400 Pa

TEMP. CHARACTERISTICS

Temp. coefficient P _{MAX}	-0.24 %/°C
Temp. coefficient V _{oc}	-0.22 %/°C
Temp. coefficient I _{sc}	+0.04 %/°C
Nominal Operating Temperature (NOCT)	46° C

MATERIAL SPECIFICATION

Front Cover	2.0 mm ARC Low Iron Tempered Solar Glass
Cell Type	Bifacial HIT BigCell
Cell Matrix	132 Cells 2 x (6 x 11)
Lamination material	POE
Back Glass	3.2 mm ARC Low Iron Tempered Solar Glass
Junction Box	IP67 rated, 1500V Compatible, 3 Diodes
Cables and connectors	DC Cable 4 mm² MC4 compatible, 1500 V Cable length 40cm male - 15cm female
Frame	Frameless
Module Dimensions	2384 mm x 1303 mm x 6 mm (without J-box)
Module Weight	47 kg

ENGINEERED AND MADE IN TURKEY