

BRONZE SOLAR

BIPV (Building Integrated Photovoltaic)

Address: Abundance Solar Panels Industries – LLC Plot No 7-8, KHIA5, KEZAD, Abu Dhabi, UAE

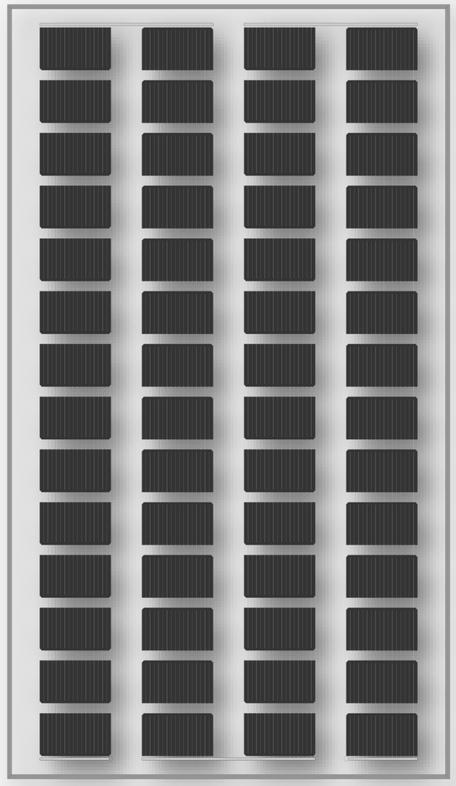
ABS-Semi-Transparent BIPV Glass Panel

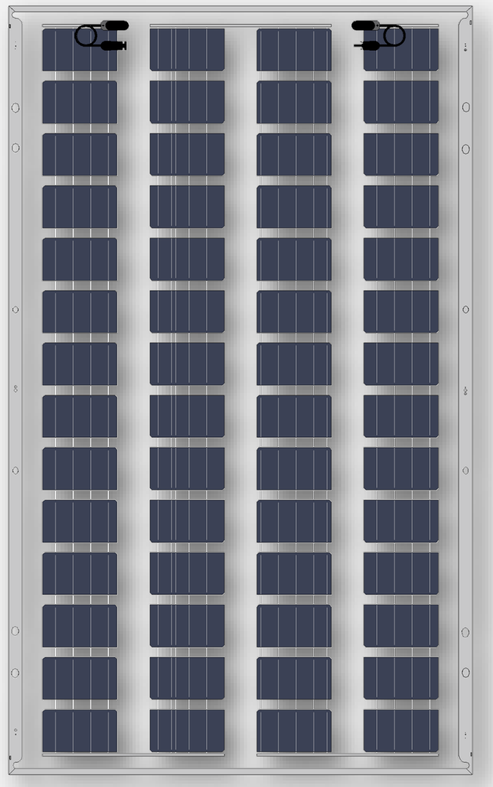
ENGINEERING DRAWINGS & TECHNICAL PARAMETERS

BRONZE SOLAR

Technical Parameters	
Maximum Rating Power (Pmax)	270 wp
Open Circuit Voltage(Voc)	41.88 V
Maximum Power Voltage (Vmp)	35.57 V
Short Circuit Current (Isc)	7.93A
Maximum Power Current (Imp)	7.65 A
Module Efficiency (EFF)(%)	12.48 %

Mechanical Data	
Solar Cell	Topcon 182.2 x 105 mm G12R ,16BB
Dimensions	1908 mm x 1134 mm x 30 mm
Weight	26 kg / 57.32 lbs.(±3%)
Front Glass	2.0 mm, High Transmission, Low Iron, Tempered ARC Glass
Cell Encapsulation	EPE(Expanded polyethylene) & EVA (Ethylene-Vinyl-Acetate)
Back Glass	2.0 mm Semi Tempered Glass
Frame	Silver Anodized Aluminum Alloy Type 6005T6 , Silver Color
Junction Box	IP68, 1500VDC, 2 Bypass Diodes- 400mm (Cable length can be customized)





OPERATING CONDITION

Mechanical Load	5400 Pa
Maximum System Voltage	1500VDC
Series Fuse Rating	25 A
Operating Temperature	-40 to 85 °C
Safety application class	Class II
Fire Rating	Class A

TEMPERATURE CHARACTERISTICS

Nominal Module Operating Temperature	43°C ± 2°C
Temperature Coefficient of Isc	+0.05 % / °C
Temperature Coefficient of Voc	-0.25 % / °C
Temperature Coefficient of Pmax	-0.30 % / °C

Address: Abundance Solar Panels Industries – LLC Plot No 7-8, KHIA5, KEZAD, Abu Dhabi, UAE