



BIPRO

TM3G48M **96-c**

435 - 455W

Bifacial Dual Glass

16BB Half-cut N-type



SYSTEM & PRODUCT CERTIFICATES

- IEC 61215 / IEC 61730 / UL 61730
- ISO 9001: 2015 Quality Management System
- ISO 14001: 2015 Environment Management System
- ISO 45001: 2018 Occupational Health and Safety Management Systems



PERFORMANCE WARRANTY

KEY FEATURES



16BB Half-cut Cell Technology

Lower LID/LeTID degradation and better low light performance
Attenuation $\leq 1\%$ (1st year) / $\leq 0.4\%$ (Linear)



Bifacial TOPCon cell technology

Dual-sided power generation gain from back side depending on albedo, significantly reduce LCOE



192 hours Anti-PID test



No water-permeability

and high wear-resistance, can be widely used in high-humid, windy and dusty area



High waterproof level

ELECTRICAL CHARACTERISTICS











[illegible]

1000 /l., 1.5, 25°C, 0, +5, 3%

REAR SIDE POWER GAIN(REFERENCE TO 445W FRONT)

ل ١٢٣	5%	10%	15%	20%	25%
ل ١٢٤	467	490	512	534	556
١٢٣ / ١٢٤	29.79	29.79	29.79	29.79	29.79
ل /	15.69	16.43	17.18	17.93	18.68
١٢٣ • ١٢٤	35.42	35.42	35.42	35.42	35.42
• /	16.62	17.41	18.20	19.00	19.79

MECHANICAL CHARACTERISTICS

	N-type Mono-Crystallin (16Busbar)
	96pcs in series (6*16)
	1762*1134*30mm (69.37*44.65*1.18inches)
	24.7kg (54.45lbs.)
	2.0mm AR Coating Semi-tempered Glass
	2.0mm Glazed Semi-tempered Glass
	Anodized Aluminium Alloy
	IP68, 3 Bypass Diodes
	4mm² (IEC), 12AWG(UL) 350mm(+),250mm(-) or Customized Length
	T01/LJQ-3-CSY/MC4/MC4-EV02

APPLICATION CONDITIONS

1. 额定电压	1500V/DC
2. 额定温度	-40℃~+85℃
3. 额定电流	35A
4. 额定电压等级	Class II
5. 额定电压等级	Front side 5400Pa, Back side 2400Pa
6. 额定电压等级	80%±5%

TEMPERATURE CHARACTERISTICS

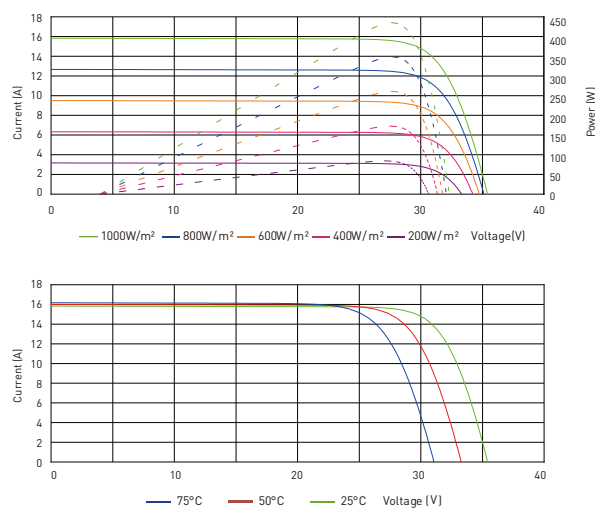
	-0.29%/°C
	-0.24%/°C
	+0.043%/°C
	43±2°C

PACKING CONFIGURATION

● ● ●	36	36(USA)
● ● ● ● ● ● ● ● (40 ●)	936	720

E c c a P a c

TM3G48M/445W



TECHNICAL DRAWINGS



762
400
190
500

1087
1134

The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, Suzhou Talesun Solar Technologies Co., Ltd. reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.