

We Make Solar Evolve

EliTe BLACK

Monocrystalline Module



ET-M648230BB 230W

ET-M648225BB 225W

ET-M648220BB 220W

ET-M648215BB 215W

Rich Product Portfolio & Innovative Product Strategy, satisfy customer needs to the best, and keep the customers' overall costs to the lowest.



High Conversion Efficiency

Industry-leading processing techniques realize great module efficiency to a maximum of 17.51%, steady power output guaranteed.



Anti-reflective Coating and Reduce O&M Costs

Easier to clean by rainwater to remove dirt on the glass surface, making higher power output and lower maintenance costs.



0 to +5W

0 to +5W Positive Tolerance

Gain more power yields than expected.



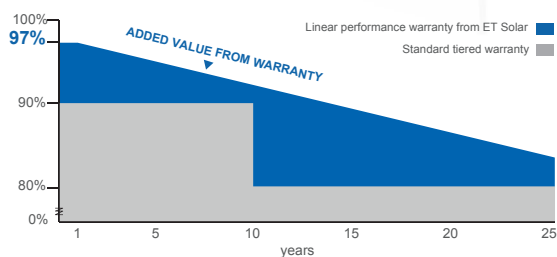
Excellent Loading Capability

2400Pa wind loads, 5400Pa snow loads.
Durable and long-lasting.



Top-quality & Trustworthy Product

Rigorous Quality Management System built.
Multiple internationally recognized PV industry standard certifications attained.



25 25-year performance warranty

10 10-year warranty on materials and workmanship

IEC 61215 Ed.2
IEC 61730



ET Solar

www.etsolar.com

M/ET-PD-EN-EU2017V4

ELECTRICAL SPECIFICATIONS

| Model Type | ET-M648230BB | ET-M648225BB | ET-M648220BB | ET-M648215BB |
|------------------------------------|---------------|--------------|--------------|--------------|
| Peak Power (Pmax) | 230W | 225W | 220W | 215W |
| Module Efficiency | 17.51% | 17.13% | 16.75% | 16.37% |
| Maximum Power Voltage (Vmp) | 25.33V | 25.29V | 25.21V | 25.12V |
| Maximum Power Current (Imp) | 9.09A | 8.9A | 8.73A | 8.56A |
| Open Circuit Voltage (Voc) | 31.74V | 31.41V | 31.26V | 30.94V |
| Short Circuit Current (Isc) | 9.59A | 9.23A | 9.14A | 9.12A |
| Power Tolerance | 0 to +5W | | | |
| Operating Temperature | - 40 ~ + 85°C | | | |
| Maximum System Voltage | DC 1000V | | | |
| Nominal Operating Cell Temperature | 45±2°C | | | |
| Fire Safety | Class C | | | |
| Maximum Series Fuse Rating | 20A | | | |

MECHANICAL SPECIFICATIONS

| | |
|-----------------|--|
| Cell Type | 156.75mm x 156.75mm |
| Number of Cells | 48 cells in series |
| Weight | 15 kg (33.07 lbs) |
| Dimension | 1324×992×35mm (52.13×39.06×1.38 inch) |
| Max Load | 5400 Pascals (112 lb/ft ²) |
| Junction Box | ≥IP67 rated |
| Connector | MC4 Compatible |
| Output cable | PV 1-F 4mm ² |

TEMPERATURE COEFFICIENT

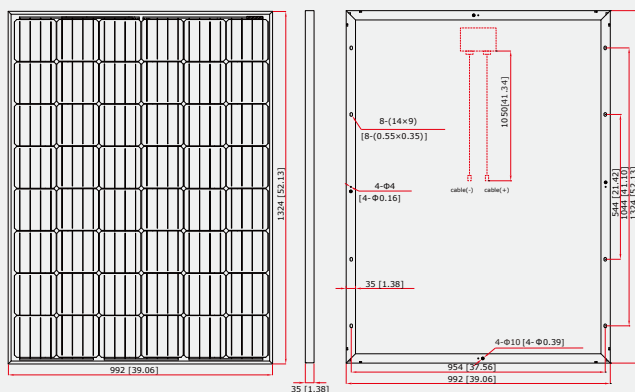
| | |
|--------------------------------|------------|
| Temp. Coeff. of Isc (TK Isc) | 0.06% /°C |
| Temp. Coeff. of Voc (TK Voc) | -0.30% /°C |
| Temp. Coeff. of Pmax (TK Pmax) | -0.43% /°C |

PACKING MANNER

| Container | 20' GP | 40' GP |
|----------------------|--------|--------|
| Pieces per Pallet | 30 | 30 |
| Pieces per Container | 480 | 960 |

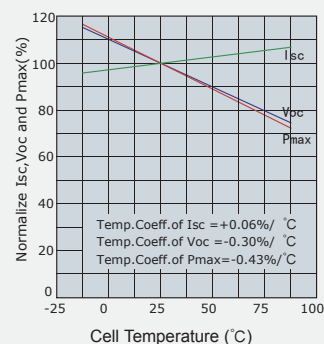
PHYSICAL CHARACTERISTICS

Unit:mm (inch)

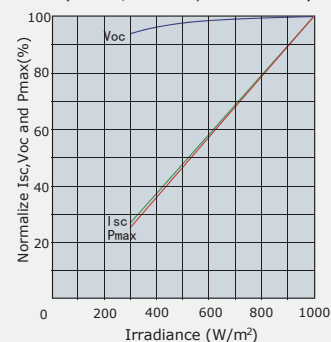


ELECTRICAL CHARACTERISTICS

Temperature Dependence of Isc, Voc and Pmax



Irradiance Dependence of Isc, Voc and Pmax (AM1.5, Cell Temperature 25°C)



Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m² solar irradiance, 1.5 Air Mass, and cell temperature of 25°C. The NOCT is obtained under the Test Conditions: 800 W/m², 20°C ambient temperature, 1m/s wind speed, AM 1.5 spectrum.

Please contact support@etsolar.com for technical support. The actual transactions will be subject to the contracts. This parameters is for reference only and it is not a part of the contracts. The specifications are subject to change without prior notice.