

# ELITE PLUS

## PV Module

ETM400-144BL  
ETM405-144BL  
ETM410-144BL



### Higher Module Efficiency

Brings 5-10W power gain due to half-cut production system



### More Energy Yield

Lower NMOT and better temperature coefficient by lower cell series resistance, helps boost energy yield



### Lower Operating Temperature, More Reliable

Lower operating temperature and hot spot temperature during the sunny day, making the module prevail during the sunny days



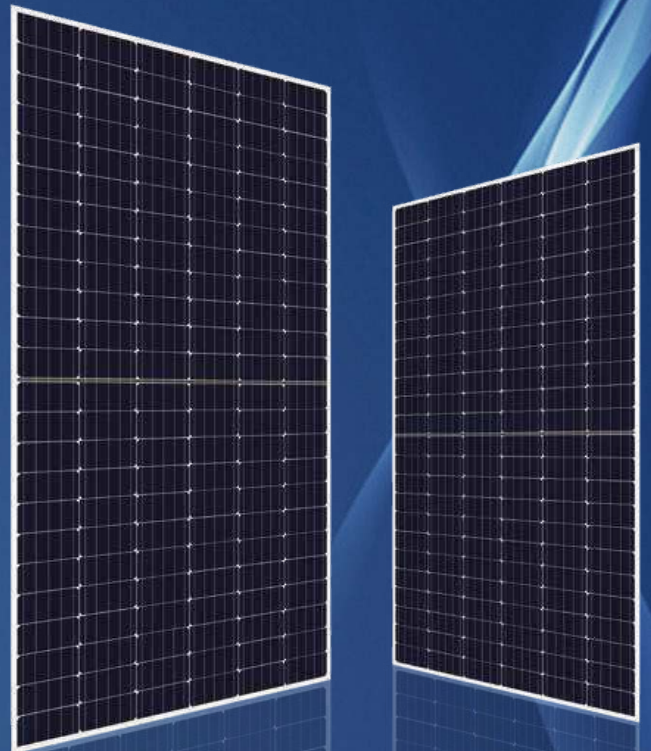
### Better Shading Tolerance

Thanks to Paralleling circuit design, more power generated under shading condition and during morning & evening time

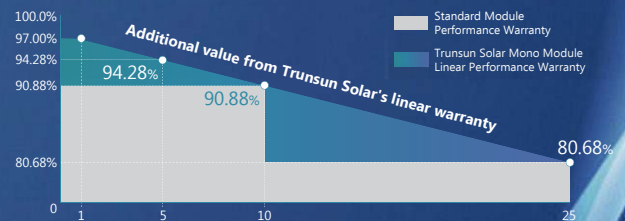


### Better Micro Crack Resistance

Minimize the impact by micro crack by limiting cell damage and potentially extending area by half-cut module architecture



### LINEAR PERFORMANCE WARRANTY



**25** 25-years Linear Performance Warranty

**10** 10-years Product Material & Workmanship



M/ET-PD-EN-EU2019V4  
ET Solar New Energy Co., Ltd

## ELECTRICAL SPECIFICATIONS (STC)

Model Type	ETM400-144BL	ETM400-144BL	ETM410-144BL
Peak Power (Pmax)	400W	405W	410W
Module Efficiency	19.90%	20.15%	20.40%
Maximum Power Voltage (Vmp)	41.28V	41.46V	41.64V
Maximum Power Current (Imp)	9.69A	9.77A	9.85A
Open Circuit Voltage (Voc)±3%	49.71V	49.94V	50.16V
Short Circuit Current (Isc)±3%	10.46A	10.53A	10.60A
Power Tolerance		0 to +3%	
Operating Temperature		- 40 ~ + 85°C	
Maximum System Voltage		DC 1000V	
Nominal Operating Cell Temperature		41±3°C	
Fire Safety		Class C	
Maximum Series Fuse Rating		15A	

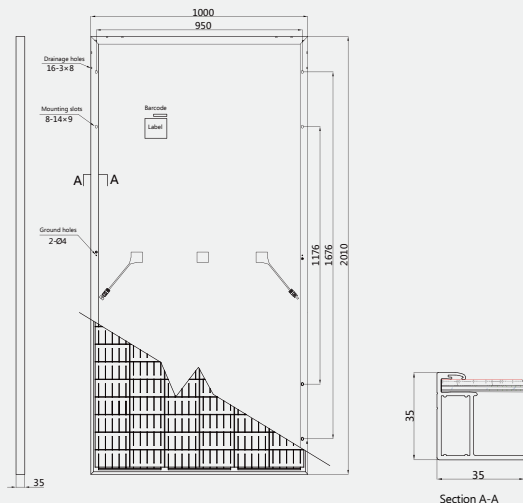
## ELECTRICAL SPECIFICATIONS (NOCT)

Model Type	ETM400-144BL	ETM405-144BL	ETM410-144BL
Peak Power (Pmax)	298W	302W	306W
Maximum Power Voltage (Vmp)	38.43V	38.60V	38.77V
Maximum Power Current (Imp)	7.76A	7.82A	7.89A
Open Circuit Voltage (Voc)	47.09V	47.31V	47.52V
Short Circuit Current (Isc)	8.44A	8.50A	8.55A

## MECHANICAL SPECIFICATIONS

Cell Type	Mono-Crystalline, 158.75×79.38mm
Number of Cells	144pcs(2×(6×12))
Weight	22.5kg
Dimension	2010×1000×35 mm
Front Cover	3.2mm Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67, 3 Bypass Diodes
Cable Type	4mm <sup>2</sup>
Length of Cable	1250mm
Connector	Jiaming: PV-JM601
Origin	China

## PHYSICAL CHARACTERISTICS Unit:mm (inch)



## TEMPERATURE COEFFICIENT

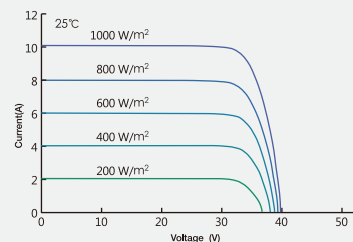
Temp. Coeff. of Isc (TK Isc)	0.05% /°C
Temp. Coeff. of Voc (TK Voc)	-0.31% /°C
Temp. Coeff. of Pmax (TK Pmax)	-0.38% /°C

## PACKING MANNER

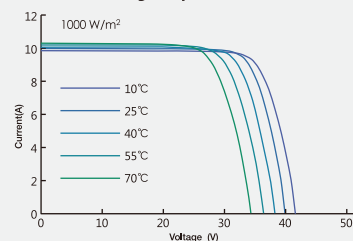
Container	40' HQ
Piece/Pallet	30
Pallet/Container	22
Piece/Container	660

## ELECTRICAL CHARACTERISTICS

Current-Voltage Curve under different irradiance



Current-Voltage Curve under different working temperatures



**Note:** the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m<sup>2</sup> solar irradiance, 1.5 Air Mass, and cell temperature of 25°C. The NOCT is obtained under the Test Conditions: 800 W/m<sup>2</sup>, 20°C ambient temperature, 1m/s wind speed, AM 1.5 spectrum.

Please contact [support@etsolar.com](mailto: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.