


# Zero-rack Series

## Monocrystalline Module





ET-M572195BBZ 195W  
ET-M572190BBZ 190W  
ET-M572185BBZ 185W  
ET-M572180BBZ 180W

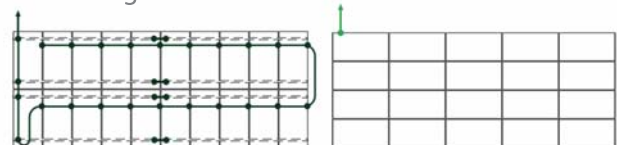
 Special frame with grooves reduces the installation time by 75%



① (quarter-turn) ② (position@15°) ③ (drop in) ④ (lock down)

 Rack-free design with 80% less parts reduces packaging volume and warehousing and transporting cost


 Built-in grounding system: If it's mounted, it's grounded



Conventional System

Zero-rack System

 Theft resistant: Professional tool and special knowledge are required for disassembling

 Compatible with all roof types as well as ground mounted racks

 Aesthetically appealing for residential and commercial systems

 0 to +5W positive power tolerance

 25-year warranty on power output; 10-year warranty on materials and workmanship



## ELECTRICAL SPECIFICATIONS

Model type	ET-M572195BBZ	ET-M572190BBZ	ET-M572185BBZ	ET-M572180BBZ
Peak power (Pmax)	195W	190W	185W	180W
Cell efficiency	18.02%	17.56%	17.09%	16.63%
Module efficiency	15.27%	14.88%	14.49%	14.10%
Maximum power voltage (Vmp)	37.65V	37.20V	36.90V	36.58V
Maximum power current (Imp)	5.18A	5.11A	5.02 A	4.9 A
Open circuit voltage (Voc)	45.2V	44.85V	44.75V	44.51V
Short circuit current (Isc)	5.75A	5.62A	5.54A	5.42A
Power tolerance	±3%	0 to +5W		
Maximum system voltage	DC 1000V (VDE) / DC 600V (UL)			
Normal operating cell temperature	44.4 ±2 c			
Series fuse rating (A)	15A			
Number of bypass diode	3(10ISQ050)			

## MECHANICAL SPECIFICATIONS

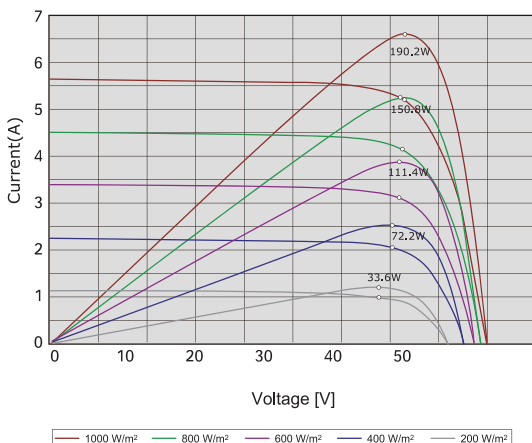
Cell type	125mm x 125mm
Number of cells	72 cells in series
Weight	15.7 kg (34.62 lbs)
Dimensions	1580×808×40 mm (62.20×31.81×1.57 inch)
Max load	5400Pascals ( 112 lb/ft <sup>2</sup> )

## TEMPERATURE COEFFICIENT

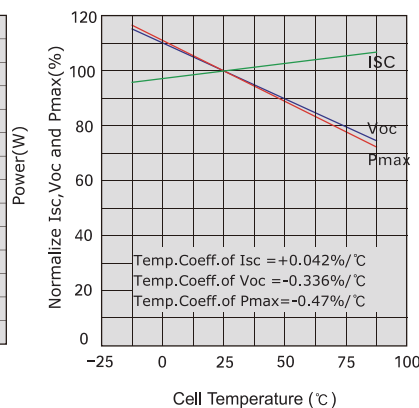
Temp. Coeff. of Isc (TK Isc)	0.042 %/c
Temp. Coeff. of Voc (TK Voc)	-0.336 %/c
Temp. Coeff. of Pmax (TK Pmax)	-0.47 %/c

## ELECTRICAL CHARACTERISTICS

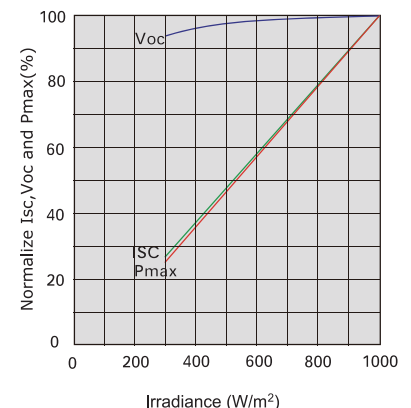
Electrical performance  
(cell temperature: 25°C)



Temperature dependence of Isc, Voc and Pmax



Irradiance dependence of Isc, Voc and Pmax (cell temperature: 25°C)



## PHYSICAL CHARACTERISTICS Unit:mm (inch)

