



Photovoltaics is our passion

ET MODULE

ET-P648195	195Wp	ET-P648170	170Wp
ET-P648190	190Wp	ET-P648165	165Wp
ET-P648185	185Wp	ET-P648160	160Wp
ET-P648180	180Wp	ET-P648155	155Wp
ET-P648175	175Wp		

EFFICIENCY

- Low voltage-temperature coefficient allows higher power output at high-temperature condition
- High efficient, high reliable solar cells ensure our product output stability

MATERIALS

- Advanced EVA encapsulation system with triple-layer back sheet meets the most stringent safety requirements for high-voltage operation
- The sturdy, anodized aluminum frame allows the modules to be mounted on a variety of standard racking systems and to withstand harshest conditions
- Ultra reliable bypass diodes prevent damage through overheating due to shaded or defective cells
- Innovative, environmentally friendly packing method using pile-edges ensures modules arrive in perfect condition
- New frame design incorporating hexagonal shaped drainage holes, with more grounding holes, provide flexible installation and use

BENEFITS

- Manufactured in an ISO 9001:2000 certified plant
- High efficiency, high safety, high reliability
- Output power tolerance of +/-3%
- 25-year limited warranty on power output, 5-year limited warranty on materials and workmanship



IEC 61215 Ed.2

IEC 61730

UL 1703



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ET Module

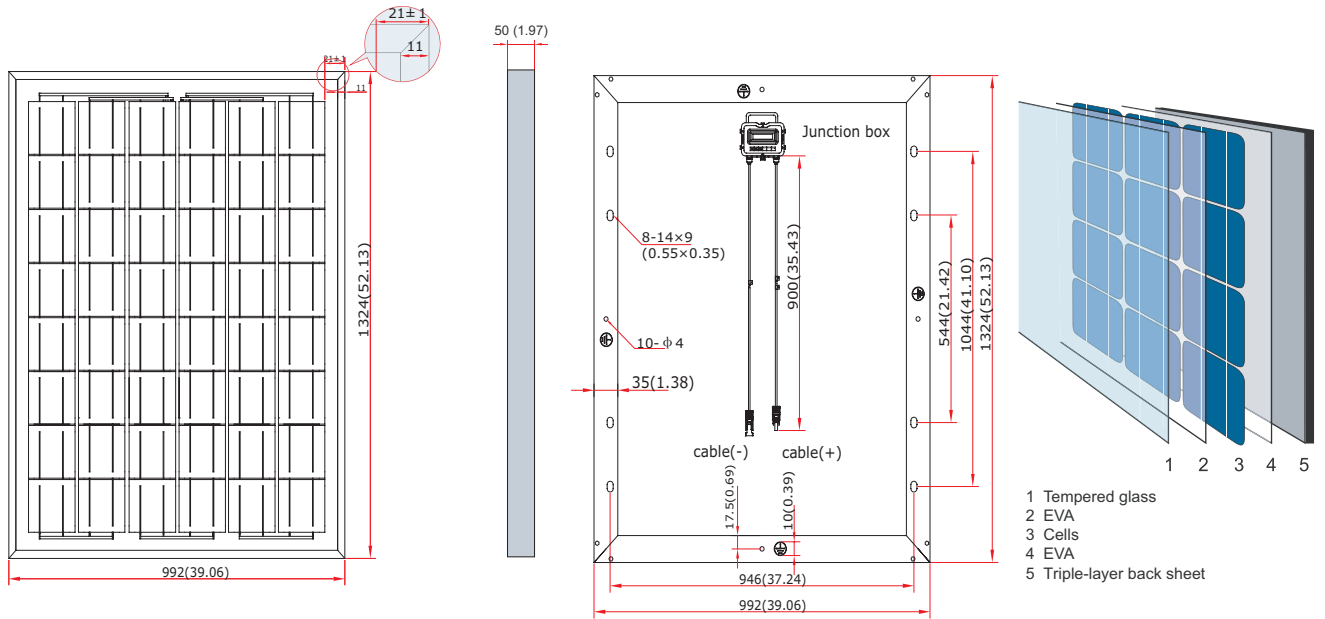
ET-P648195 ET-P648190 ET-P648185 ET-P648180 ET-P648175 ET-P648170 ET-P648165 ET-P648160 ET-P648155

SPECIFICATIONS

Model type	ET-P648195	ET-P648190	ET-P648185	ET-P648180	ET-P648175	ET-P648170	ET-P648165	ET-P648160	ET-P648155
Peak power (Pmax)	195W	190W	185W	180W	175W	170W	165W	160W	155W
Cell type	PolyCrystalline Silicon, 156mm x 156mm								
Number of cells	48 cells in series								
Weight	15.6 kg (34.45 lbs)								
Dimensions	1324×992×50mm (52.13×39.06×1.97 inch)								
Maximum power voltage (Vmp)	23.50V	23.50V	23.50V	23.50V	23.20V	23.00V	23.00V	23.00V	23.00V
Maximum power current (Imp)	8.29A	8.08A	7.87A	7.66A	7.54A	7.39A	7.17A	6.95A	6.73A
Open circuit voltage (Voc)	29.20V	29.20V	29.04V	29.04V	29.04V	29.00V	29.00V	29.00V	29.00V
Short circuit current (Isc)	8.50A	8.41A	8.41A	8.10A	8.10A	8.10A	7.90A	7.80A	7.60A
Maximum system voltage	DC 1000V								
Temp. Coeff. of Isc (TK Isc)	0.065 %/°C								
Temp. Coeff. of Voc (TK Voc)	-0.346 %/°C								
Temp. Coeff. of Pmax (TK Pmax)	-0.488 %/°C								
Normal Operating Cell Temperature	45.3±2°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.

PHYSICAL CHARACTERISTICS Unit:mm (inch)



ELECTRICAL CHARACTERISTICS

