TWY250M660

Monocrystalline Silicon PV Module

Product Specification

(60 pcs Mono 156×156 mm Cells)

Typical Electrical Characteristics at Standard Test Conditions(STC)

Typical Type	Unit	TWY250M660
Max-Power	P_m (W)	250
Power Tolerance	%	+~3
Max-Power Voltage	V_m (V)	31.5
Max-Power Current	I_m (A)	7.94
Open-Circuit Voltage	V_{oc} (V)	38..3
Short-Circuit Current	I_{sc} (A)	8.74
Encapsulated Cell Efficiency	η_c (%)	17.5
Module Efficiency	η_m (%)	15.3

STC:AM=1.5, 1000W/m², Cells Temperature 25℃

Maximum Ratings

Operating temperature range	-40 ℃~+85 ℃
Storage temperature range	-20 ℃~+40 ℃

THERMAL CHARACTERISTICS

Nominal operating temperature	45±2℃
Temperature coefficient of Pmax	- 0.47% / ℃
Temperature coefficient of Voc	- 0.346% / ℃
Temperature coefficient of Isc	0.036% / ℃

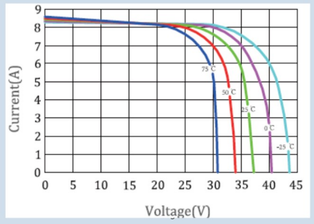
MECHANICAL CHARACTERISTICS

Dimension (L×W×H)	1650 mm×992 mm×50 mm
Frame(material/color/anodization color)	Anodized aluminum alloy
Weight	19.5 kg
Front cover (material/type/thickness)	Low iron tempered glass 3.2mm
Cell (quantity/material/type/dimensions)	60(6×10)/Monocrystalline/ 156mm×156mm
Encapsulant (material)	EVA
Loading Capacity(40ft container)	560pcs

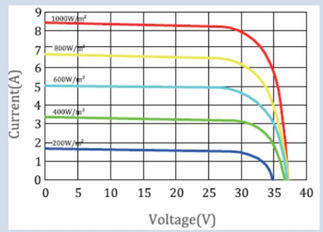
OPERATING CONDITIONS

Max. hailstone impact (diameter/velocity)	25mm hail,form 1 m of distance at 23 m/s
Max. system voltage(TUL/UL)	Dc1000 V /600V
Max. series fuse rating	15 A
Operating temperature range	-40 ℃~+85 ℃
Max. static load, front (snow & wind)	5400 Pa
Max. static load, back (wind)	2400 Pa

Various Temperatures

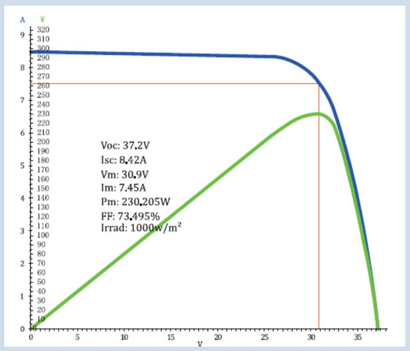


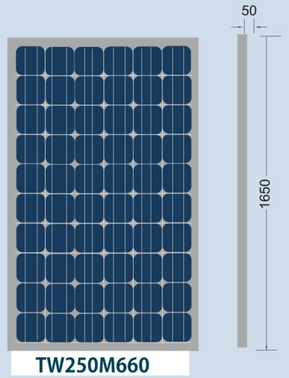
Various Irradiance levels

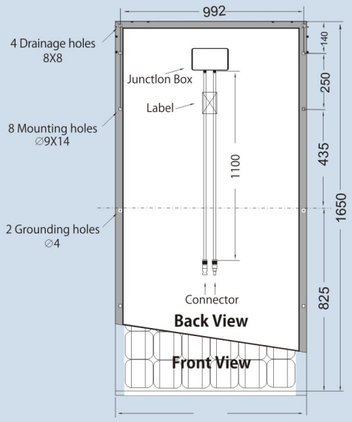


CERTIFICATIONS

IV Curves







50+25 History + Quality assurance