



## ECT-100M

### Monocrystalline solar panel

#### Mono Solar Panel Features



Efficient monocrystalline modules are suitable for residential, public application areas, and can be widely used in the roof and ground electric power station projects.



Using anti-reflection glass, not only increases the absorption of light, but also strengthens its self-cleaning function when the modules are in the water environment, which can effectively reduce the power loss caused by dust.



Applying the most advanced module manufacturing technology with high output power. The maximum conversion rate is up to 19.4%.



Modules with strong compression capability, able to withstand 2400 Pa wind pressure and 5400 Pa snow load.



Excellent low-light electricity generation performance.



Compact size, easy carrying and handling



Comply with safety requirements yet greater flexibility.



0 ~ +5% positive power output tolerance.



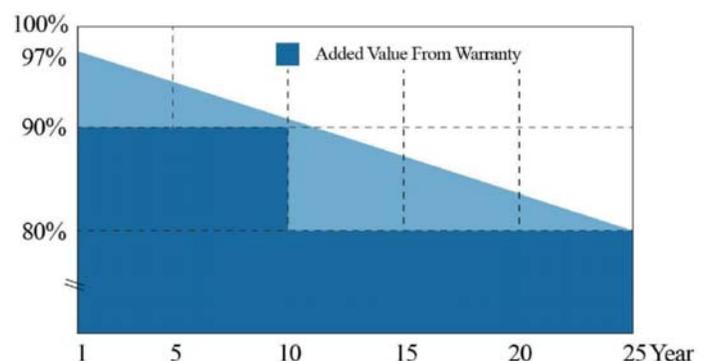
Extremely suitable for outdoor lighting and off-grid solar systems.

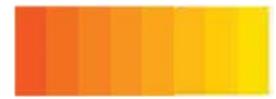


### EXCELLENT PERFORMANCE IN MALAYSIA:

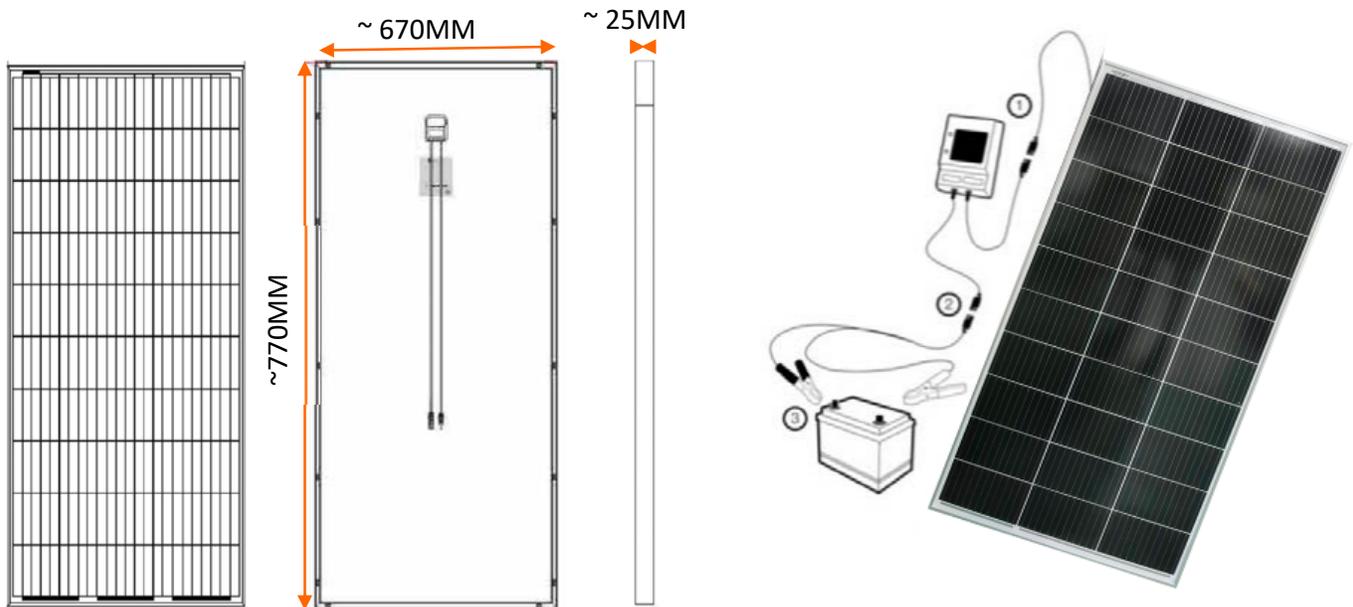
- Been Supplied and Installed for TNB since year 2012
- Been Supplied and Installed for JKR since year 2015
- Been Supplied and Installed for JPS since year 2013 (ROL Kemensah, ROL Setapak Jaya, Titiwangsa, Air Panas, Port Dickson, Labuan)

### CERTIFICATION:





## ENGINEERING DRAWING



MODEL	ECT-100M
Maximum Power (Pmax) W	100
Tolerance	0- +5
Maximum Power Voltage (Vmp) V	18
Maximum Power Current (Imp) A	5.55
Open Circuit Voltage (Voc) V	21.22
Short Circuit Current (Isc) A	5.95
Module Efficiency	> 19.4%
Cell Efficiency	> 22.7%
Size of module (mm)	770*670*25mm
Max. syst. Oper. Voltage V	1000V DC
Fuse Rating	10A
Operate Temp. Scope °C	-40 / 85 °C
Temperature Coefficient of ISC (% /°C)	0.05%/°C
Temperature Coefficient of Voc (% /°C)	- 0.35%/°C
Temperature Coefficient of Pmax (% /°C)	- 0.45%/°C
Weight (Kg)	6.2 (approx.)
Warranty	Pm is not less than 80% in 25 years

STC: Irradiance 1000W/m<sup>2</sup>, AM1.5 spectrum, module temperature 25°C.