

# Len

## **Len-100 Wp** **PHOTOVOLTAIC MODULE**

Len-100 Wp PV Modul memberikan semua manfaat dari modul surya. Modul ini diperhitungkan untuk memberikan daya dengan tegangan yang cukup untuk mengisi baterai. Modul ini merupakan pilihan yang tepat digunakan dalam berbagai aplikasi seperti untuk daerah terpencil, peralatan instrumen, sensor keamanan navigasi, lampu lalu lintas dll.

*Len-100 Wp PV Modules provide all benefits of module. They are engineered to deliver power with sufficient voltage for charging battery. They are ideal choice for any application such as remote habitation, instrumentation system, security sensors navigation, traffic light, etc.*

*Certified by B2TE - BPPT  
SNI 04-3850.2-1995*





## Electrical Characteristics

### STC Len-100 Wp

Optimum Operating Voltage (Vmp)	18.0 V
Optimum Operating Current (Imp)	5.80 A
Open - Circuit Voltage (Voc)	22.5 V
Short - Circuit Current (Isc)	6.50 A
Maximum Power at STC (Pmax)	100 W
Modul Efficiency	14 %
Operating Module Temperature	-40 °C to +85°C
Maximum System Voltage	1000 V DC
Maximum Series Fuse Rating	20 A
Power Tolerance	± 3%

STC : Irradiance 1000 W/m<sup>2</sup>, module temperature 25 °C, AM=1.5;  
Power measurement tolerance : ±3 %

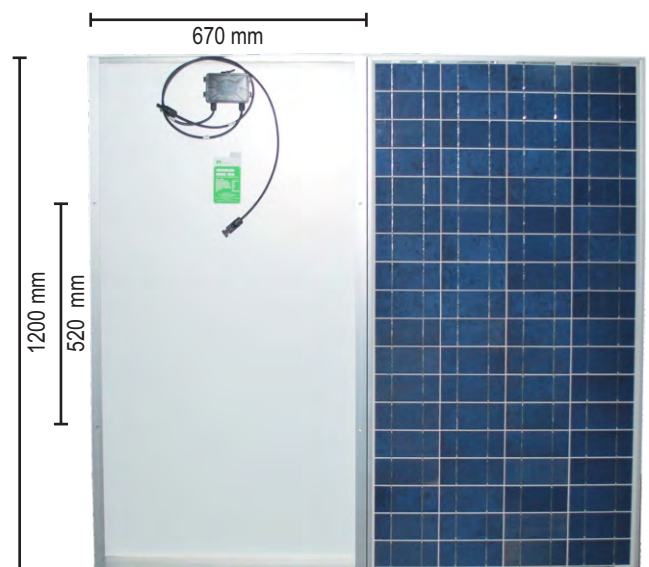
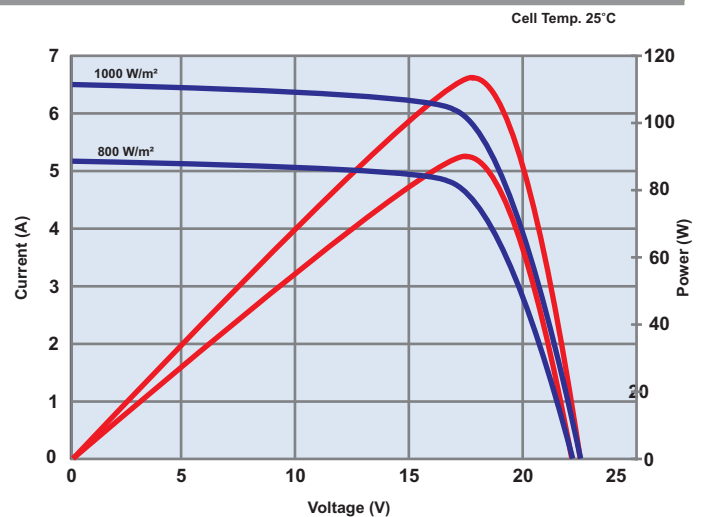
## Mechanical Characteristics

Solar Cell	Polycrystalline 124.8 X 156 mm
No. of Cells	36 (4 X 9)
Dimensions	1200 X 670 X 50 mm
Weight	10 Kg
Front Glass	3.2 mm (0.13 inches) tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP65
Output Cables	TUV (2Pfg1169:2007), UL 4703, UL 44 4 mm <sup>2</sup> (0.00375 inches <sup>2</sup> )
Connectors	RADOX® SOLAR integrated twist locking connectors

## Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	50 ± 2 °C
Temperature Coefficient of Pmax	-0.45 %/°C
Temperature Coefficient of Voc	-0.34 %/°C
Temperature Coefficient of Isc	0.013 %/°C

## Current-Voltage & Power-Voltage Curve



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