

Renewable Energy



Len

Len 50 Wp

PHOTOVOLTAIC MODULES



Certified by B2TE BPPT Based on
SNI:04-3850.2-1995
Corrosion Test Report Based on
SNI:04-6298-2000

Len 50 Wp dimanfaatkan dalam berbagai aplikasi sistem pembangkit tenaga surya baik yang berdiri sendiri (*Stand Alone System*) ataupun Sistem Komunal. Modul ini dirancang untuk memberikan daya dengan tegangan cukup untuk mengisi baterai. Tepat digunakan dalam berbagai aplikasi seperti peralatan instrumen, sensor keamanan, navigasi lampu lalu lintas dll.

Len 50 WP used in many variety solar power plant application either stand alone system or communal system. This modul designed to provide power with enough voltage to charge battery. Appropriately used in many application such as instrument equipment, security sensors, navigation and traffic light, etc.



Electrical Characteristics

STC	Len 50 Wp
Maximum Power Voltage (Vpm)	17.0 V
Maximum Power Current (Ipm)	2.95 A
Open - Circuit Voltage (Voc)	21.2 V
Short - Circuit Current (Isc)	3.35 A
Maximum Power at STC (Pmax)	50 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	+ 0 - 3 %

STC : Irradiance 1000 W/m², module temperature 25 °C, AM=1.5;
Power measurement tolerance : ±3 %

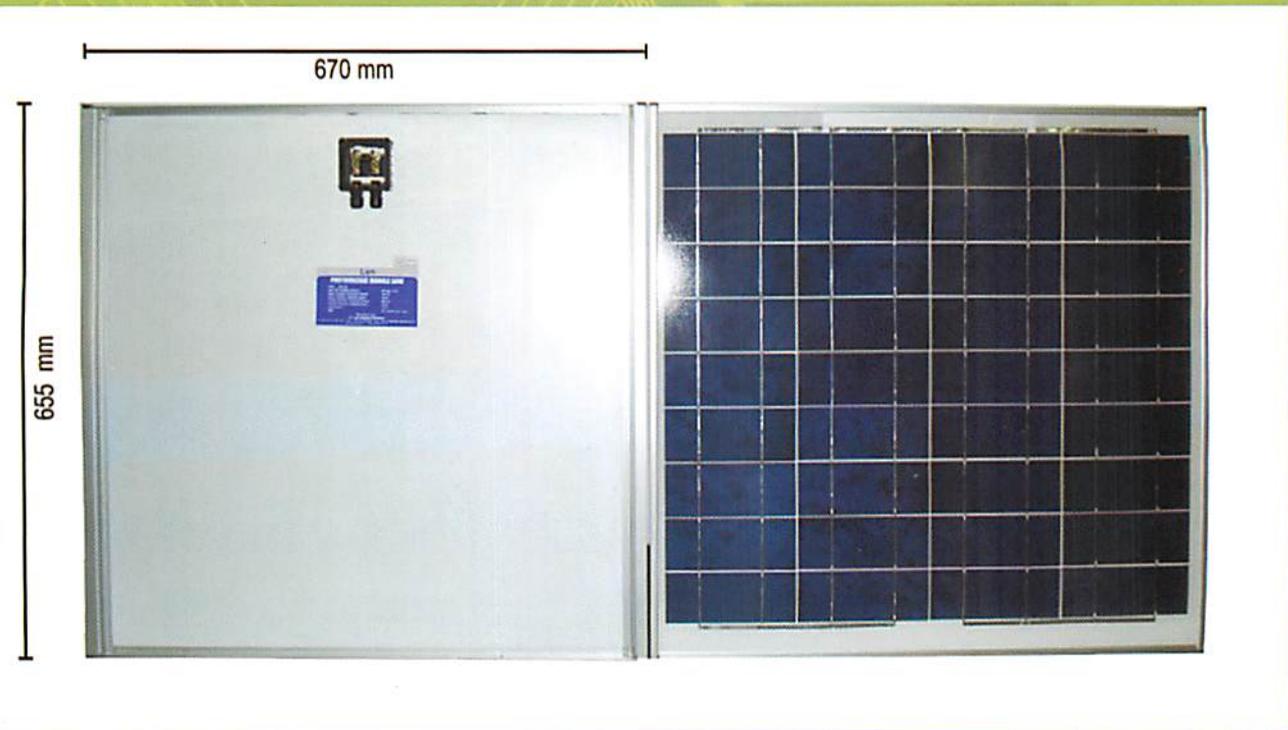
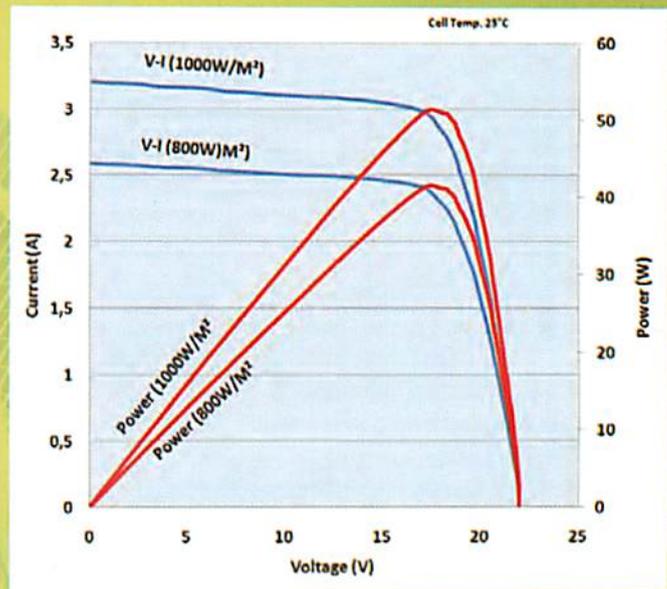
Mechanical Characteristics

Solar Cell	Polycrystalline 62.4 x 156 mm
No. of Cells	36 (4 X 9)
Dimensions	655 X 670 X 25 mm
Weight	5.5 Kg
Front Glass	3.2 mm (0.13 inches) tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP65
Output Cables	Tidak Ada
Connectors	Tidak Ada

Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45 ± 2 °C
Temperature Coefficient of Power	-0.44 %/°C
Temperature Coefficient of Voc	-0.32 %/°C
Temperature Coefficient of Isc	0.055 %/°C

Current-Voltage & Power-Voltage Curve (Len 50 Wp)



4.1.50-P.I-14



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ISO 9001 : 2008 OHSAS 18001 : 2007
ISO 14001 : 2005 SMK3