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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Shenzhen Sungold Solar Co., Ltd.**

**LE Series**

**LE-50W**

Also available on the web at  
[EnergyPal.com/shenzhen-sungold-solar-co-ltd-solar-panels/le-50w](http://EnergyPal.com/shenzhen-sungold-solar-co-ltd-solar-panels/le-50w)

## Features

- 1、 Beautiful design: The latest lightweight solar panel of the product overall laminate composite and the previous lightweight solar panel product edge layered structure;
- 2、 Ultra-Lightweight: By replacing the glass ,the same power achieves a weight reduction of up to 40%,
- 3、 Applications: Lightweight and custom sizes make the solar panels easier to deploy. Application for rv, yacht, roof and so on
- 4、 Durability: Strict quality control and selected , materials ensure the long-term reliability of the solar panels
- 5、 Mono solar cells: high module conversion efficiency; fast and inexpensive mounting, you will get greater power efficiency even though the panel is no larger than a traditional model.
- 6、 Warranty: 1 year warranty, service life 10 years



## Electrical Characteristics

Product code	LE-20W	LE-50W	LE-100W	LE-120W	LE-160W
Maximum power(Pmax)	20W	50W	100W	120W	160W
Voltage at Pmax(Vmp)	17.8	17.8	17.8	17.8	17.8
Current at Pmax(Imp)	1.12	2.81	5.62	6.74	8.98
Open-circuit voltage(Voc)	21.3	21.3	21.3	21.3	21.3
Short -circuit current(Isc)	1.21	3.03	6.07	7.28	9.71
Power temperature coefficient	-0.45%/°C	-0.45%/°C	-0.45%/°C	-0.45%/°C	-0.45%/°C
Voltage temperature coefficient	-0.33%/°C	-0.33%/°C	-0.33%/°C	-0.33%/°C	-0.33%/°C
Current temperature coefficient	+0.05%/°C	+0.05%/°C	+0.05%/°C	+0.05%/°C	+0.05%/°C
Cells Efficiency(%)	18.43%	18.43%	18.43%	18.43%	18.43%
The maximum system voltage	200VDC(IEC)	200VDC(IEC)	200VDC(IEC)	200VDC(IEC)	200VDC(IEC)
Output power tolerance	±2%	±2%	±2%	±2%	±2%

## Specifications

Cells	ETFE light weight Aluminium Plate mono solar panel				
No.of cells and connections	36(2X18)	36(3X12)	36(4x9)	36(4x9)	36(4X9)
Module dimension	450*350*4mm	505*675*4mm	975*665*4mm	1135*665*4mm	1500*665*4mm
Weight	0.9KG	2.1KG	4.0KG	4.6KG	6.2KG
Maximum bending arch height	8mm	20mm	40mm	55mm	95mm