

LIGHTWEIGHT SOLAR PANEL

LIGHTWEIGHT SOLAR PANEL LE SERIES



- 01 This series is our new coming hot sale products, which are designed and manufactured for extreme conditions, with a very special and unique but mature production process.
- 02 It is designed for 12v battery charging and for harsh environments where weight is a premium.
- 03 Suit for the place where will be fixed has a slight curve, ideal for Marine buoys, boat decks, camper vans etc.



- 04 Using premium ETFE laminating material.
- 05 Ultra flat for leisure and professional use.
- 06 Fully weather proof & lightweight design.
- 07 Highly resistant to seawater corrosion and marine environment.
- 08 Durability with strict quality control and selected materials ensure the long-term reliability of the solar panel.
- 09 Maximum system voltage reaches 200DV.

Specifications

Model	LE-60w 18v	LE-120w 18v	LE-160w 18v	LE-180w 20v
Operating voltage(Vmp)	17.8	17.8	17.8	19.8
Current(Imp)	3.37	6.74	8.98	9.09
Open circuit voltage(Voc)	21.3	21.3	21.3	23.4
Short-circuit current(ISC)	3.64	7.28	9.71	9.64
Cell Efficiency(%)	18.43%	18.43%	18.43%	20.60%
The maximum system voltage	200VDC(IEC)			
Operating Temperature	-10 ~+60 C			
Temperature Coefficient of Pmax	-0.43%/ C			
Temperature Coefficient of Voc	-0.34%			
Temperature Coefficient of ISC	+0.05%/ C			
Nominal Operating Cell Temperature	45+/-2 C			

Mechanical Characteristics

Cell Type	Mono-crystalline solar cell			
Maximum power	60w	120w	160w	180w
No.of cells	36(3*12)	36(4*9)	36(4*9)	36(4*9)
Component Size	795*505*4mm	1135*665*4mm	1500*665*4mm	1500*665*4mm
Weight	2.5kg	4.6kg	6.2kg	6.2kg
Maximum curvature	25mm	55mm	95mm	95mm
Warranty	1 years and service life of 10 years			
Junction Box	IP65/IP67			
Connectors	MC4 Compatible			
Contruction	ETFE surface			