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# **EnergyPal**

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

**Lina Energy Solutions**

**LE1 320-340W**

**LE1-335W**

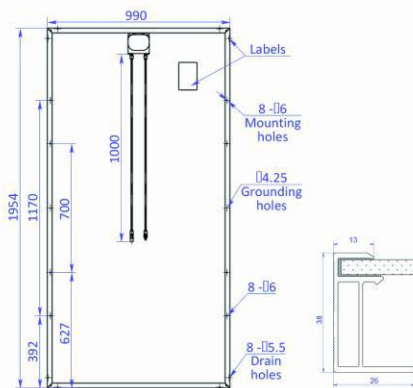
Also available on the web at  
[EnergyPal.com/lina-energy-solutions-solar-panels/le1-335w](http://EnergyPal.com/lina-energy-solutions-solar-panels/le1-335w)



## MONOCrystalline Solar Panel

liNa Solar Panels - Bulgarian Made

Physical Characteristics	
Cells per Module	72 Cells (6x12)
Cell Type	Multi-crystalline Silicon
Module Dimension (L x W x H)	1954x990x38 (mm)
Module Weight	21kg
Frame	Anodized Aluminum (Black frame available upon request)
Front Glass	4 mm Tempered Glass
Junction Box	IP66/IP65, 4mm <sup>2</sup>
Cable Length	1000mm



Electrical Characteristics						
Item	Unit	LE1-320W	LE1-325W	LE1-330W	LE1-335W	LE1-340W
Max. Power (Pmax)	W	320	325	330	335	340
Open circuit voltage (Voc)	V	45,50	46,00	46,20	46,60	46,7
Short circuit current (Isc)	A	8,76	8,96	9,13	9,23	9,32
Max. Power voltage (Vmp)	V	38,00	38,06	38,11	38,25	38,42
Max. Power current (Imp)	A	8,42	8,54	8,66	8,76	8,85
Module efficiency	%	16,54	16,80	17,06	17,32	17,58
Power Tolerance	W	0~+4,99				

\*STC (Standard Test Condition): 1000W/m<sup>2</sup>, AM 1.5, 25°C

Permissible operating conditions	
Temperature range	-40 to +85 °C
Maximum system voltage	1,000V DC(IEC), 600V DC(UL)
Maximum surface load cap	5,400Pa
Maximum hailstone impact (diameter / velocity)	25mm / 23m/s
*NOCT (Nominal Operating Cell Temperature): 800W/m <sup>2</sup> , 20°C, wind speed 1m/s	

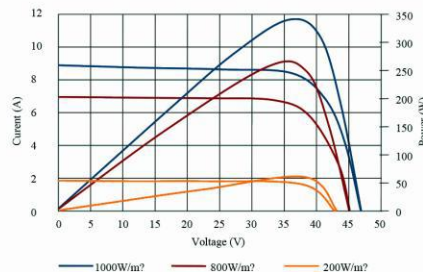
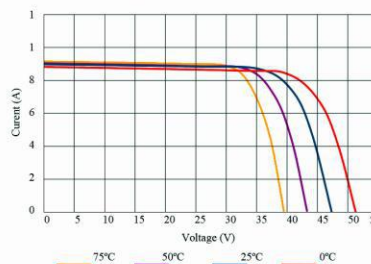
Thermal Characteristics			
Rating	Unit	Value	
NOCT	°C	45,3 ±2	
Temperature coefficient	Isc	%/°C	+ 0,05
	Voc	%/°C	- 0,30
	P <sub>MAX</sub>	%/°C	- 0,41

Packing Specifications	
Packing box dimension (L x W x H)	1980x800x1150 (mm)
Number of modules per pallet	20

### WARRANTY

- 10 YEARS Manufacturing warranty
- 10 YEARS 90% Power Output warranty
- 25 YEARS 80% Power Output warranty

### I-V curves



### QUALIFICATIONS AND CERTIFICATES

