



Lebenskraft

Energy for life

LEB 240BK MODEL

MAIN FEATURES

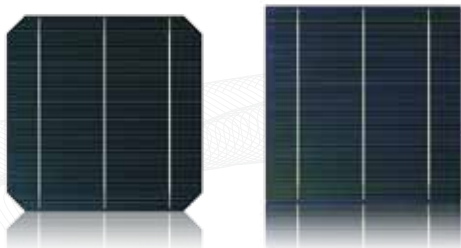
- High quality cells and reliability for a long lifetime, and laminated multi-layer;
- Modules manufactured with strict quality control, according to standard ISO 9001;
- High mechanical strength of materials applied;
- Module with high aesthetic standards, with aluminum frame or completely black

QUALITY AND WARRANTY

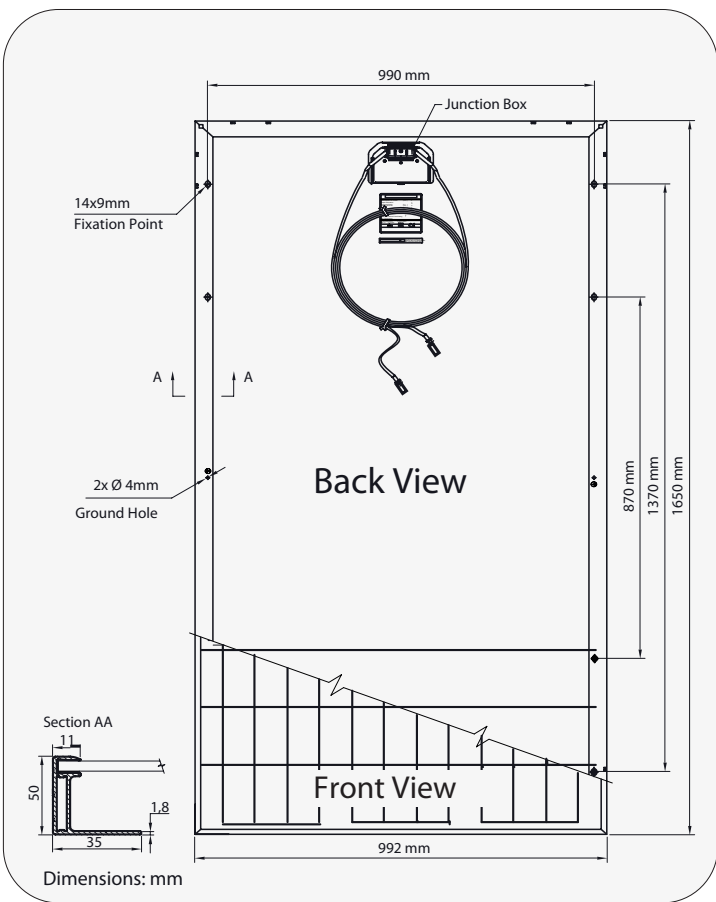
- Guaranteed minimum power rating of 90% at 10 years and 80% after 25 years;
- 10-years warranty against manufacturing defects;
- Tolerance of 3% of rated power;
- Guarantee of total power supply with no power above the average nominal Wp.
- All modules are manufactured according to standards IEC61730, IEC 61215

APPLICATIONS

- Due to the elegant design of the module LEB240BK, there are several possible types of integration in modern architecture quite attractive.
- The application can be in vertical or horizontal way and roofs of any kind.
- Due to its characteristics allow integration into grid systems or small and medium isolated systems.

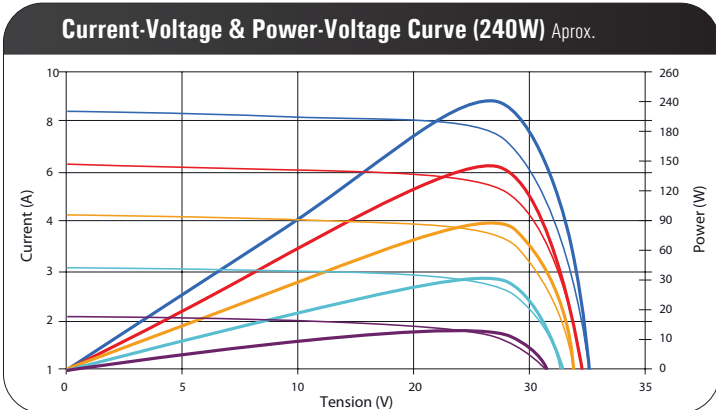
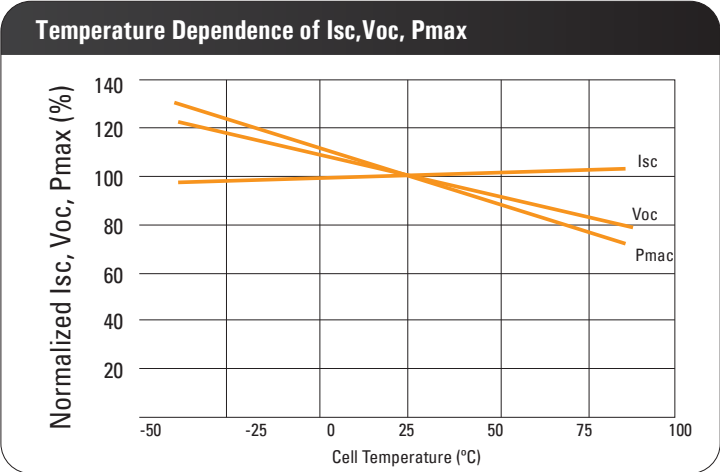


Electrical Characteristics	LEB156P.BK-200	LEB156P.BK-210	LEB156P.BK-220	LEB156P.BK-230	LEB156P.BK-240
Open Circuit Voltage (Voc)	36,0V	36,4V	36,8V	37,0V	37,5V
Optimum Operating Voltage (Vmp)	28,7V	29,2V	29,8V	30,0V	30,6V
Short Circuit Current (Isc)	7,75A	7,86A	8,00A	8,18A	8,38A
Optimum Operating Current (Imp)	6,97A	7,19A	7,39A	7,66A	7,84A
Maximum Power at STC (Pmax)	200Wp	210Wp	220Wp	230Wp	240Wp
Operating Temperature	from -40°C to 85°C				
Maximum System Voltage	1.000VDC				
Series Fuse Rating	16A				
Power Tolerance	± 3%				



Mechanical Characteristics	
Solar Cell	Polycrystalline 156x156mm
Number of Cells	60 (6x10)
Dimensions	1650 x 990 x 50mm
Weight	20kg
Front Glass	3,2mm Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	PV-RH701 (TUV)

Temperatures Coefficients	
Nominal Operating Cell Temperature (NOTC)	45 ± 2°C
Temperature Coefficient of Pmax	-(0,47±0,05)%/°C
Temperature Coefficient of Voc	-(0,34±0,01)%/°C
Temperature Coefficient of Isc	+(0,055±0,01)%/°C



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