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Solar Panel Guide Specification Data Sheet

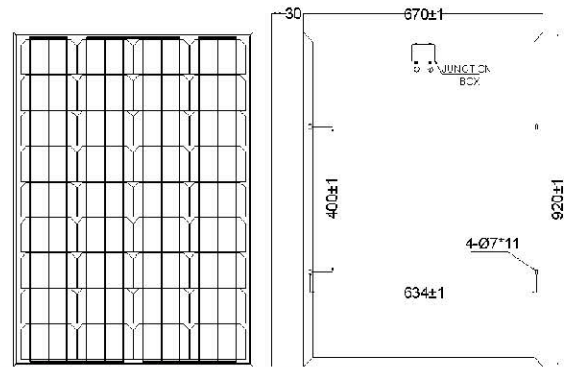
For Leaves Limited Mono 85-90 FL085M

Also available on the web at
EnergyPal.com/for-leaves-limited-solar-panels/fl085m

ELECTRICAL SPECIFICATIONS

Model No.	FL085M	FL090M
Peak power(Pmax)	85W	90W
Maximum power voltage(Vmp)	18.0V	18.2V
Maximum power current(Imp)	4.72A	4.94A
Short-circuit current(Isc)	5.09A	5.24A
Open circuit voltage(Voc)	22.1V	22.4V
Cell efficiency(η)	16.80%	17.80%
Power tolerance:	±3%	
Operating temperature	-40°C to +85°C	
Maximum system voltage	715VDC	

PHYSICAL CHARACTERISTICS



TEMPERATURE COEFFICIENT

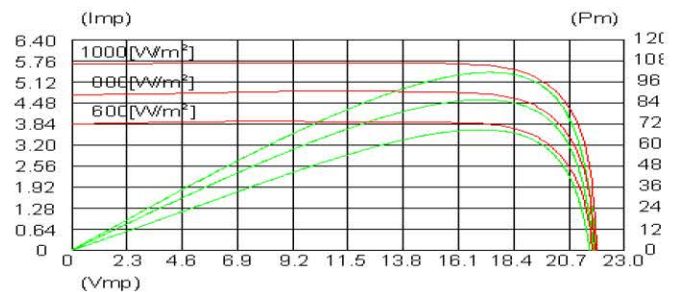
Current temperature coefficient	0.037%/°C
Voltage temperature coefficient	-0.34%/°C
Power temperature coefficient	-0.48%/°C

STC: Irradiance of 1000W /m², AM 1.5, Cell Temperature of 25°C

MECHANICAL SPECIFICATIONS

Cell Type	156mm
Number of Cells	36 cells in series
Weight	8.0 kg (17.6 lbs)
Dimension	920×670×30mm
Max Load	5400 Pascals (112 lb/ft ²)
Junction Box	
Cable/Connector	

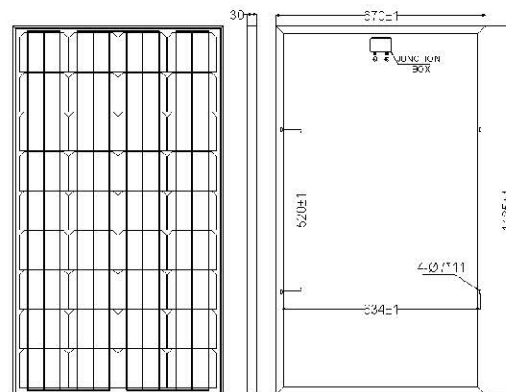
ELECTRICAL CHARACTERISTICS



ELECTRICAL SPECIFICATIONS

Model NO.	FL120M	FL125M
Peak power(Pmax)	120W	125W
Maximum power voltage(Vmp)	17.8V	18V
Maximum power current(Imp)	6.74A	6.94A
Short-circuit current(Isc)	7.14A	7.36A
Open circuit voltage(Voc)	22.1V	22.4V
Cell efficiency(η)	16.80%	17.80%
Power tolerance:	±3%	
Operating temperature	-40°C to +85°C	
Maximum system voltage	715VDC	

PHYSICAL CHARACTERISTICS



TEMPERATURE COEFFICIENTS

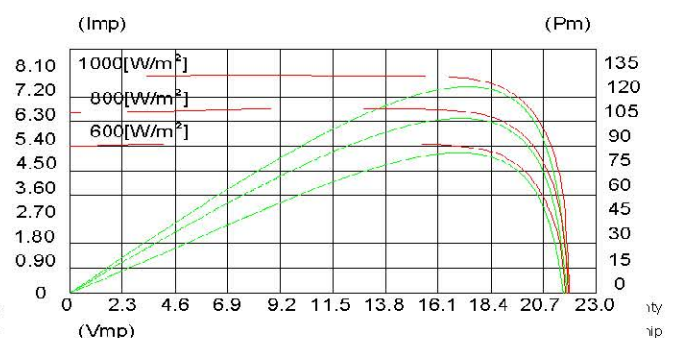
Current temperature coefficient	0.037%/°C
Voltage temperature coefficient	-0.34%/°C
Power temperature coefficient	-0.48%/°C

STC: Irradiance of 1000W /m², AM 1.5, Cell Temperature of 25°C

MECHANICAL SPECIFICATIONS

Cell Type	156mm
Number of Cells	36 cells in series
Weight	10.3 kg (22.66bs)
Dimension	1185×670×30mm
Max Load	5400 Pascals (112 lb/ft ²)
Junction Box	
Cable/Connector	

ELECTRICAL CHARACTERISTICS



*Due to continuous innovation, research and product improvement, the specifications are subject to change without prior notice.

*The data do not refer to a single module and they are not part of the offer, they only serve for comparison to different models.