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EnergyPal

Solar Panel Guide Specification Data Sheet

**For Leaves Limited
Mono 140-165
FL160M**

Also available on the web at
EnergyPal.com/for-leaves-limited-solar-panels/fl160m

ELECTRICAL SPECIFICATIONS

Model No.	FL140M	FL150M	FL155M	FL160M	FL165M
Peak power(Pmax)	140W	150W	155W	160W	165W
Maximum power voltage(Vmp)	17.8V	18.0V	18.2V	18.5V	18.8V
Maximum power current(Imp)	7.86A	8.33A	8.51A	8.64A	8.77A
Short-circuit current(Isc)	8.49A	8.99A	9.19A	9.34A	9.57A
Open circuit voltage(Voc)	21.8V	22.3V	22.5V	22.6V	22.6V
Optimized cell efficiency(η)	16.00%	17.20%	17.60%	18.20%	18.80%
Power tolerance:	0~+3%				
Maximum system voltage	1000VDC				

TEMPERATURE COEFFICIENT

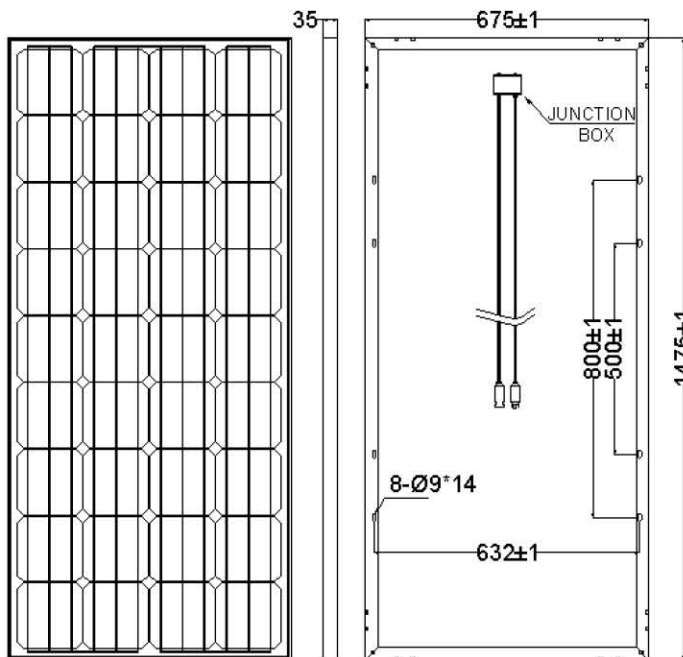
Current temperature coefficient	0.037%/°C
Voltage temperature coefficient	-0.34%/°C
Power temperature coefficient	-0.48%/°C

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

MECHANICAL SPECIFICATIONS

Cell Type	156mm x 156mm
Number of Cells	36 cells in series
Weight	14.5 kg (31.9 lbs)
Dimension	1475×675×35mm
Front Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Max Load	5400 Pascals (112 lb/ft ²)
Junction Box	IP65
Cable/Connector	900mm /MC4 Compatible

PHYSICAL CHARACTERISTICS



ELECTRICAL CHARACTERISTICS

