

For a Free Quote:

Web: **EnergyPal.com/solar**

Call: **1-800-990-3725**

Email: **contact@energypal.com**



**Solar Panel Guide
Specification Data Sheet**

**For Leaves Limited
Poly 35-40
FL040P**

Also available on the web at
EnergyPal.com/for-leaves-limited-solar-panels/fl040p

ELECTRICAL SPECIFICATIONS

Model NO.	FL035P	FL040P
Peak power(Pmax)	35W	40W
Maximum power voltage(Vmp)	17.6V	18V
Maximum power current(Imp)	1.98A	2.22A
Short-circuit current(Isc)	2.09A	2.35A
Open circuit voltage(Voc)	21.6V	22.4V
Cell efficiency(η)	15.50%	17.00%
Power tolerance:	$\pm 3\%$	
Operating temperature	-40°C to $+85^{\circ}\text{C}$	
Maximum system voltage	600VDC	

TEMPERATURE COEFFICIENT

Current temperature coefficient	0.037%/°C
Voltage temperature coefficient	-0.34%/°C
Power temperature coefficient	-0.48%/°C
STC: Irradiance of 1000W /m ² , AM 1.5, Cell Temperature of 25°C	

MECHANICAL SPECIFICATIONS

Cell Type	156mm x 156mm
Number of Cells	36 cells in series
Weight	3.5kg (7.79lbs)
Dimension	440×670×25mm
Max Load	5400 Pascals (112 lb/ft ²)
Junction Box	
Cable/Connector	

ELECTRICAL SPECIFICATIONS

Model NO.	FL045P	FL050P
Peak power(Pmax)	45W	50W
Maximum power voltage(Vmp)	17.8V	18.2V
Maximum power current(Imp)	2.52A	2.75A
Short-circuit current(Isc)	2.67A	2.91A
Open circuit voltage(Voc)	21.6V	22.1V
Cell efficiency(η)	16.00%	17.20%
Power tolerance:	$\pm 3\%$	
Operating temperature	-40°C to $+85^{\circ}\text{C}$	
Maximum system voltage	600VDC	

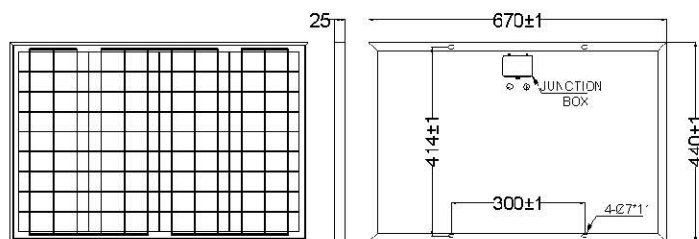
TEMPERATURE COEFFICIENTS

Current temperature coefficient	0.037%/°C
Voltage temperature coefficient	-0.34%/°C
Power temperature coefficient	-0.48%/°C
STC: Irradiance of 1000W /m ² , AM 1.5, Cell Temperature of 25°C	

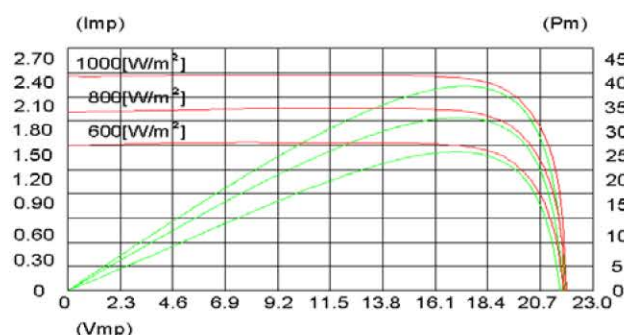
MECHANICAL SPECIFICATIONS

Cell Type	156mm x 156mm
Number of Cells	36 cells in series
Weight	4.2kg (9.24lbs)
Dimension	530×670×25mm
Max Load	5400 Pascals (112 lb/ft ²)
Junction Box	
Cable/Connector	

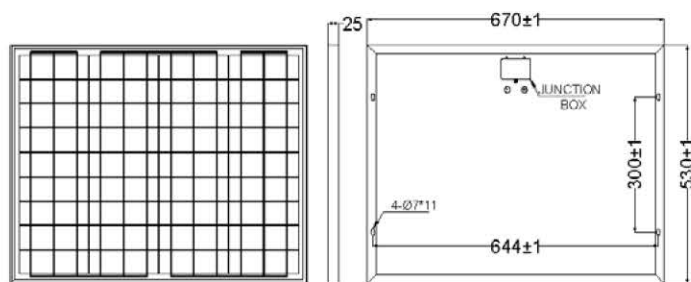
PHYSICAL CHARACTERISTICS



ELECTRICAL CHARACTERISTICS



PHYSICAL CHARACTERISTICS



ELECTRICAL CHARACTERISTICS

