For a Free Quote:

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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

FOR LEAVES LIMITED

36 CELLS

FL035P FL045P FL050P

www.forleaves.com forleaveslimited@gmail.com

POLYCRYSTALLINE

PHYSICAL CHARACTERISTICS

| 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: | ±3% | |
| Operating temperature | -40°C to +85°C | |
| | | |

670+1

TEMPERATURE COEFFICIENT

Maximum system voltage

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

600VDC

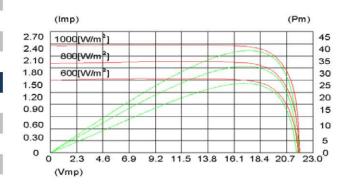
STC: Irradiance of 1000W /m2, AM 1.5, Cell Temperature of 25°C

MECHANICAL SPECIFICATIONS

| Cell Type | 156mm x 156mm |
|-----------------|----------------------------|
| Number of Cells | 36 cells in series |
| Weight | 3.5kg (7.79lbs) |
| Dimension | 440×670×25mm |
| Max Load | 5400 Pascals (112 lb/ft2) |
| Junction Box | |

Cable/Connector

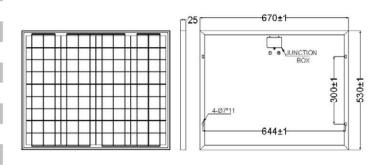
ELECTRICAL CHARACTERISTICS



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 2.91A Short-circuit current(Isc) 2.67A Open circuit voltage(Voc) 21.6V 22.1V Cell efficiency(n) 16.00% 17.20% ±3% Power tolerance: Operating temperature -40°C to +85°C

600VDC Maximum system voltage

PHYSICAL CHARACTERISTICS



TEMPERATURE COEFFICIENTS

| Current temperature coefficient | 0.037%/ C |
|--|-----------|
| Voltage temperature coefficient | -0.34%/℃ |
| Power temperature coefficient | -0.48%/℃ |
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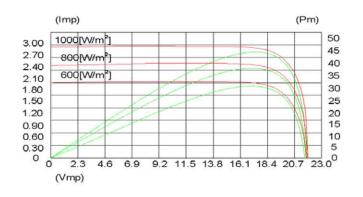
STC: Irradiance of 1000W /m2, AM 1.5, Cell Temperature of 25°C

MECHANICAL SPECIFICATIONS

| IMECHANICAL 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/ft2) | |
| Junction Box | | |

Cable/Connector

ELECTRICAL CHARACTERISTICS



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