

HIGH PERFORMANCE MODULE

FGET-60 Cell-P

60 CELL
POLYCRYSTALLINE MODULE

270-285W
POWER OUTPUT RANGE

17.4%
MAXIMUM EFFICIENCY

0/+5W
POSITIVE POWER TOLERANCE

FGET 60 cell series of Mono crystalline and Poly crystalline two options for small roof systems. Even with limited space, the FGET60 panels generate a lot of energy. As one of the most trusted panels in the industry, the FGET 60 cell module is popular with residential and commercial customers for its reliability, aesthetics and compatibility with all major system and module electronics. We are committed to building strategic, mutually beneficial collaboration with installers, developers, distributors and other partners.

Comprehensive Product And System Certificates

- IEC61215/IEC61730/UL1703/IEC61701/IEC62716
- ISO 9001: Quality Management System
- ISO 14001: Environmental Management System
- ISO14064: Greenhouse Gas Emissions Verification
- OHSAS 18001: Occupational Health and Safety Management System



Excellent low light performance on cloudy days, mornings and evenings

- Advanced surface texturing
- Back surface field
- Selective emitter



Maximize Limited Space

- 60-cell module power output up to 285 W
- Up to 174 W/m² power density



Highly reliable due to stringent quality control

- All modules have to pass electroluminescence (EL) inspection
- Over 30 in-house tests (UV, TC, HF, and many more)
- In-house testing goes well beyond certification requirements
- PID resistant
- 1000 V UL/1000 V IEC certified

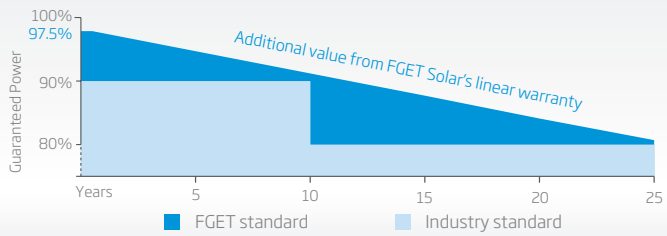


Certified to withstand challenging environmental conditions

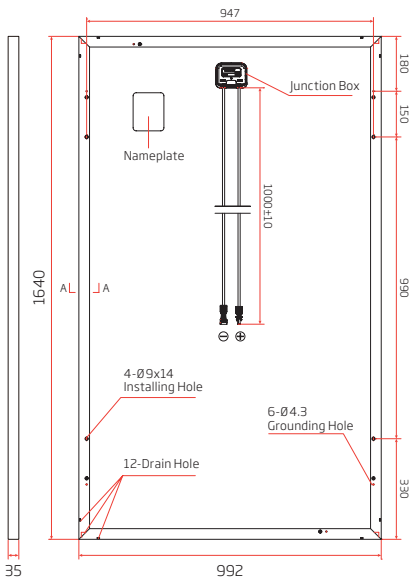
- 130 km/h wind load (2400 Pa)
- 900 kg snow load per module (5400 Pa)
- 35 mm hail stones at 97 km/h
- Ammonia resistance
- Salt mist resistance
- Resistance to sand and dust abrasion

LINEAR PERFORMANCE WARRANTY

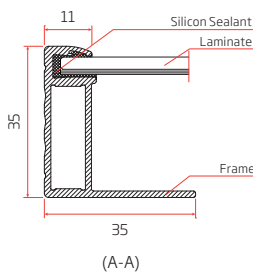
10 Year Product Warranty · 25 Year Linear Power Warranty



DIMENSIONS OF PV MODULE FGET-PD05 (unit: mm)

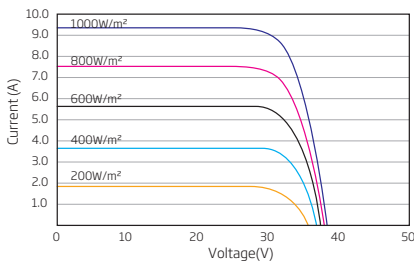


Back View

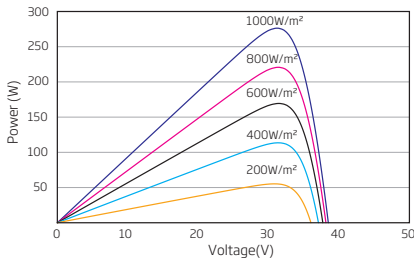


(A-A)

I-V CURVES OF PV MODULE (280W)



P-V CURVES OF PV MODULE (280W)



ELECTRICAL DATA @ STC	FGET-270 PD05	FGET-275 PD05	FGET-280 PD05	FGET-285 PD05
Peak Power Watts- P_{MAX} (Wp)*	270	275	280	285
Power Output Tolerance- P_{MAX} (W)	0/+5	0/+5	0/+5	0/+5
Maximum Power Voltage- V_{MPP} (V)	30.9	31.1	31.4	31.6
Maximum Power Current- I_{MPP} (A)	8.73	8.84	8.92	9.02
Open Circuit Voltage- V_{OC} (V)	37.9	38.1	38.2	38.3
Short Circuit Current- I_{SC} (A)	9.22	9.32	9.40	9.49
Module Efficiency η_m (%)	16.5	16.8	17.1	17.4

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5
* Measuring tolerance: ±3%

ELECTRICAL DATA @ NOCT	FGET-270 PD05	FGET-275 PD05	FGET-280 PD05	FGET-285 PD05
Maximum Power- P_{MAX} (Wp)	200	204	208	211
Maximum Power Voltage- U_{MPP} (V)	28.6	28.8	29.0	29.2
Maximum Power Current- I_{MPP} (A)	7.00	7.09	7.15	7.23
Open Circuit Voltage- U_{OC} (V)	35.1	35.3	35.4	35.5
Short Circuit Current- I_{SC} (A)	7.44	7.52	7.59	7.66

NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

MECHANICAL DATA

Solar Cells	Multicrystalline 156.75 × 156.75 mm
Cell Orientation	60 cells (6 × 10)
Module Dimensions	1640 × 992 × 35 mm
Weight	18.6 kg
Glass	3.2 mm, high transparency, AR coated and heat tempered solar glass
Backsheet	White
Frame	Silver Anodized Aluminium Alloy
J-Box	IP 67 or IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm ² , 1000 mm
Connector	EU Countries: 28 MC4 / UTX / TS4, Non-EU Countries: 28 QC4 / TS4

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	44°C (±2K)
Temperature Coefficient of P_{MAX}	- 0.41%/K
Temperature Coefficient of V_{OC}	- 0.32%/K
Temperature Coefficient of I_{SC}	0.05%/K

MAXIMUM RATINGS

Operational Temperature	-40 to +85°C
Maximum System Voltage	1000VDC (IEC) 1000VDC (UL)
Max Series Fuse Rating*	15 A
Mechanical Load	5400 Pa
Wind Load	2400 Pa

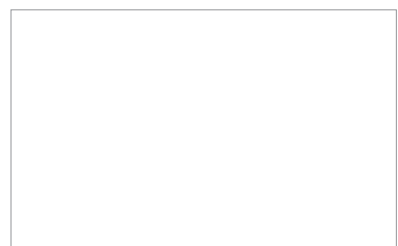
* DO NOT connect fuse in combiner box with two or more strings in parallel connection

WARRANTY

10 year Product Workmanship Warranty
25 year Linear Performance Warranty
(Please refer to product warranty for details)

PACKAGING CONFIGURATION

Modules per box:	30 pieces
Modules per 40' container:	840 pieces



FGET_LEN_2017_B