

FGET® SERIES **N**5

520-540W Mono

132 Half-cell Layout

FULL BLACK BIFACIAL DG

M10 N-TYPE Cell



N-TYPE



LECO N-TYPE
Cell Technology



SMBB Half Cut
Cell Technology



Bifacial Cell
Module Technologies



Excellent
Anti-PID
Low LID
Performance

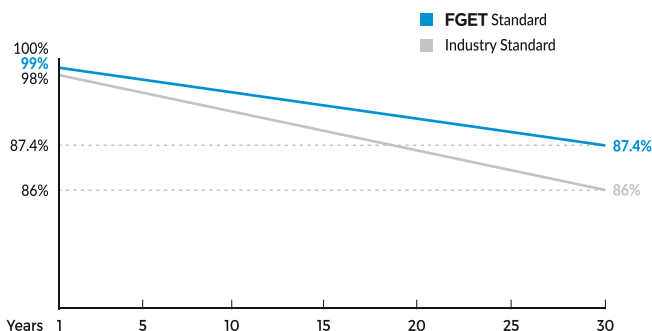


Less Hot Spot
Shading Effects



Higher Power Output
Lower BOS & LCOE

Linear Performance Warranty



* FGET N-TYPE: Standard warranty 15 years, can be extended up to 20 years

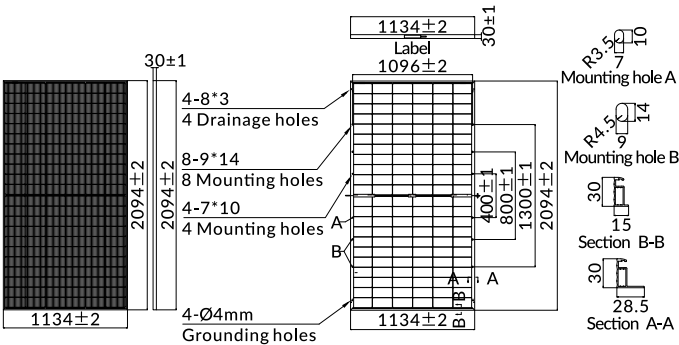
Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard Quality
- IEC61701/IEC62716 Salt/Mist/Ammonia Tests



MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	132 (6x22)
Dimensions	2094 x 1134 x 30mm
Weight	28.5kg
Front / Back Glass	2.0mm coated semi-tempered glass
Frame	Anodized aluminium alloy (reinforced high-load optional)
Junction Box	Ip68 rated (3 by pass diodes)
Output Cables	4.0mm ²
	250mm (+) / 350mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	Front 5400Pa / Rear 2400Pa



ELECTRICAL PARAMETERS

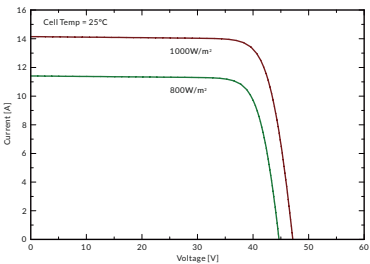
POWER CLASS	FGET-520ND		FGET-525ND		FGET-530ND		FGET-535ND		FGET-540ND	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power (Pmax)	520W	391W	525W	395W	530W	399W	535W	403W	540W	407W
Open Circuit Voltage (Voc)	47.08V	44.58V	47.24V	44.75V	47.41V	44.91V	47.56V	45.08V	47.72V	45.24V
Short Circuit Current (Isc)	14.12A	11.38A	14.19A	11.44A	14.26A	11.50A	14.33A	11.56A	14.40A	11.62A
Voltage at Maximum power (Vmpp)	38.78V	35.97V	38.95V	36.14V	39.11V	36.31V	39.28V	36.47V	39.44V	36.63V
Current Maximum Power (Impp)	13.41A	10.87A	13.48A	10.93A	13.55A	10.99A	13.62A	11.05A	13.69A	11.11A
MODULE EFFICIENCY (%)	21.90%		22.11%		22.32%		22.53%		22.74%	

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

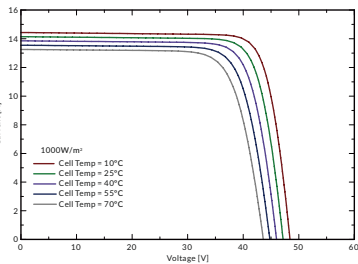
BIFACIAL OUTPUT-REAR SIDE POWER GAIN

5%	Maximum power (Pmax)	546W	551W	557W	562W	567W
	Module Efficiency STC (%)	22.99%	23.21%	23.44%	23.66%	23.88%
15%	Maximum power (Pmax)	598W	604W	610W	615W	621W
	Module Efficiency STC (%)	25.18%	25.43%	25.67%	25.91%	26.15%
25%	Maximum Power (Pmax)	650W	656W	663W	669W	675W
	Module Efficiency STC (%)	27.37%	27.64%	27.90%	28.16%	28.43%

I-V CURVE



FGET-525ND/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	30A
Power Tolerance	0/+5W

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (NMOT)	45±2°C
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.045%/°C