

2024 PRODUCT CATALOGUE

Guangzhou Future Green Technology Co., Ltd

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Solar panel



Battery



Solar system



Mission: For a Green Future

At Future Green Technology, our vision is to lead the world towards a greener, more sustainable future through innovative solar energy and battery solutions. We believe in the power of renewable energy to transform our planet, reduce our carbon footprint, and foster a healthier environment for future generations. Our commitment to this vision drives every aspect of our operations, from product development to customer service.



Values: Customer-centered; striver-oriented!

We place our customers at the heart of everything we do. Understanding their needs and exceeding their expectations is our top priority. We are dedicated to providing tailored, efficient, and reliable clean energy solutions that not only meet but surpass our customers' requirements.

Our team is our greatest asset. We cultivate a culture of innovation, excellence, and continuous improvement. We empower our employees, whom we consider striver, to take initiative, embrace challenges, and drive our vision forward. Their dedication and hard work are the cornerstones of our success.

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Guangzhou Future Green Technology Co., Ltd

2

Factories

107+

countries and regions

1GW

Annual output

25 Years

Experience

Located in Guangzhou, China, Guangzhou Future Green Technology is at the forefront of solar power and battery solutions, with two advanced factories dedicated to bringing clean energy to the globe.

Our Offerings:

- > **High-Efficiency Solar Panels:** Crafted with the latest technology for peak performance.
- > **Batteries:** Reliable and sustainable power storage and motive solutions.
- > **Comprehensive Solar Systems:** Tailored solutions for both homes and businesses, ensuring reliable and eco-friendly energy.
- > **Customization & Branding:** Personalized solar solutions and product branding to meet your unique needs.

Partner with Us:

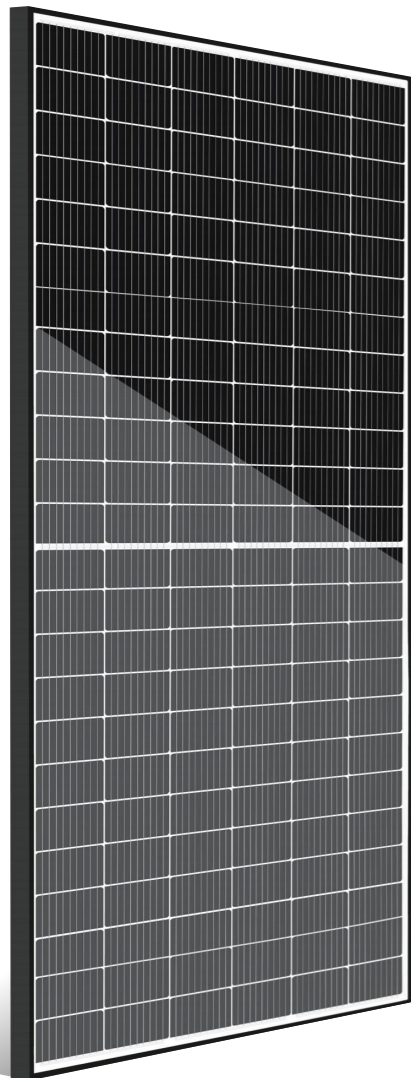
Join our network of distributors and agents to be part of the clean energy revolution. We offer exceptional support and opportunities for growth in the renewable energy sector.

Our Commitment:

At Future Green Technology, we are more than just a company; we are a movement towards a brighter, greener future. Join us in our journey to power the world with clean, sustainable energy.

Half-Cut Solar Panels

400W-550W

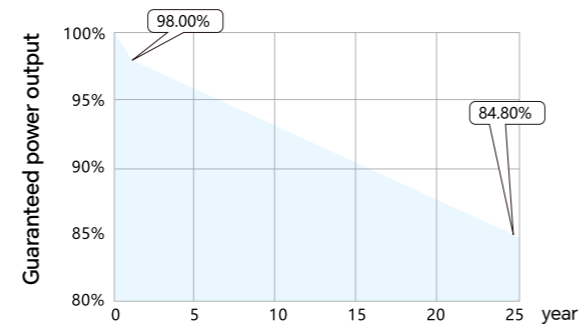


» PRODUCT SPECIALTY

-  HIGH POWER
-  NICE APPEARANCE
-  HIGH RELIABILITY
-  LOW ATTENUATION
-  LOW HEAT SPOT RISK
-  LOW COVER LOSS
-  GREEN INITIATIVE

» Linear power output is very dull

15 15 Year materials and workmanship warranty | **25** 25 Year linear power output warranty

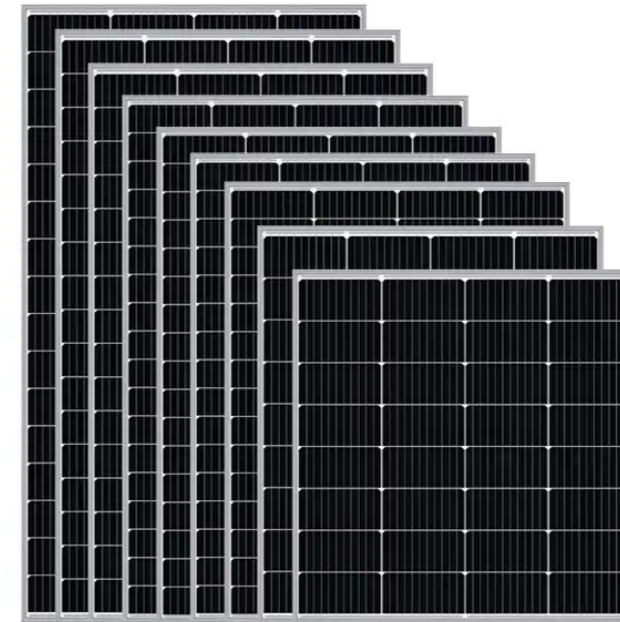


» Certificate

IEC / EN 61215-1-1:2016;
IEC 61215-2:2016 / EN 61215-2:2017 + AC:2017 + AC:2018;
IEC 61730-1:2016 / EN IEC 61730-1:2018 + AC:2018;
IEC 61730-2:2016 / EN IEC 61730-2:2018 + AC:2018.
Registered No.: 44 780 22 406749 - 100
Manufacturer: see Annex 1
Test Report No.: 492012030.001
File No.: PVP04066/22P

MONO Solar Panels

40W-400W



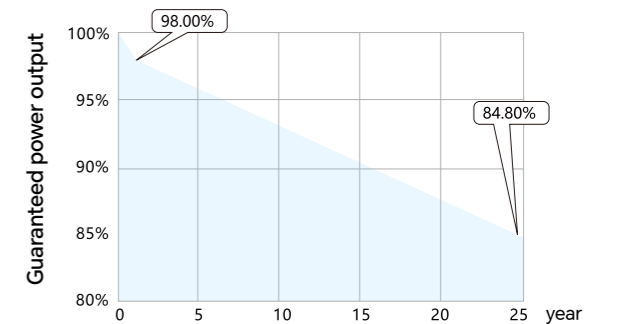
Customize the power you want

» PRODUCT SPECIALTY

-  HIGH POWER
-  NICE APPEARANCE
-  HIGH RELIABILITY
-  LOW ATTENUATION
-  LOW HEAT SPOT RISK
-  LOW COVER LOSS
-  GREEN INITIATIVE

» Linear power output is very dull

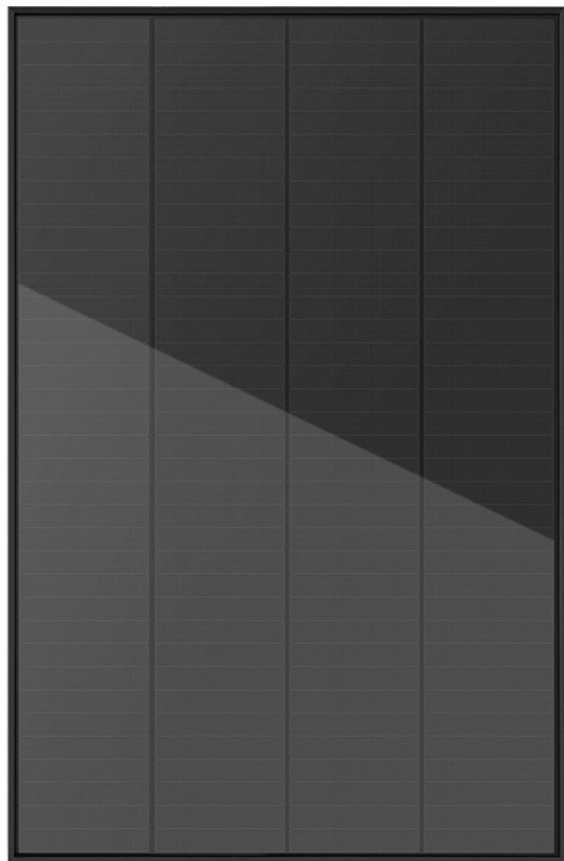
15 15 Year materials and workmanship warranty | **25** 25 Year linear power output warranty



» Certificate

IEC / EN 61215-1-1:2016;
IEC 61215-2:2016 / EN 61215-2:2017 + AC:2017 + AC:2018;
IEC 61730-1:2016 / EN IEC 61730-1:2018 + AC:2018;
IEC 61730-2:2016 / EN IEC 61730-2:2018 + AC:2018.
Registered No.: 44 780 22 406749 - 100
Manufacturer: see Annex 1
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File No.: PVP04066/22P

Shingled Solar Panels 40W-200W

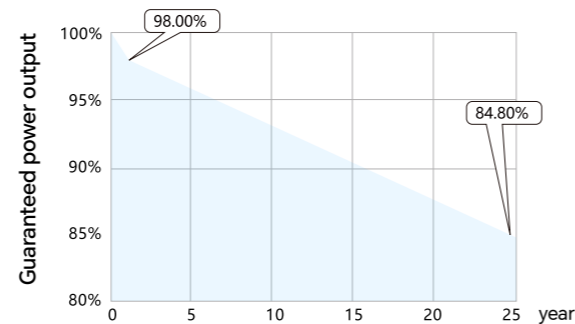


» PRODUCT SPECIALTY

-  SHINGLED CRAFT
-  BEAUTIFUL APPEARANCE
-  HIGH RELIABILITY
-  LOW SYSTEM COST
-  REDUCE HOT SPOT EFFECT
-  LOW COVER LOSS
-  GREEN INITIATIVE

» Linear power output is very dull

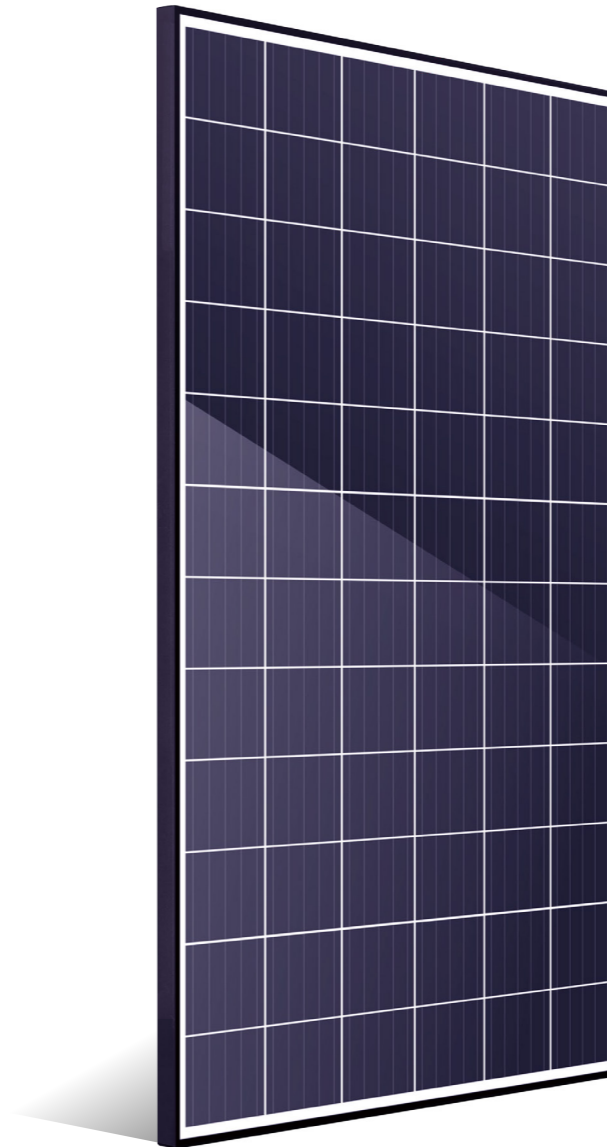
15 15 Year materials and workmanship warranty | **25** 25 Year linear power output warranty



» Certificate

IEC / EN 61215-1-1:2016;
IEC 61215-2:2016 / EN 61215-2:2017 + AC:2017 + AC:2018;
IEC 61730-1:2016 / EN IEC 61730-1:2018 + AC:2018;
IEC 61730-2:2016 / EN IEC 61730-2:2018 + AC:2018.
Registered No.: 44 780 22 406749 - 100
Manufacturer: see Annex 1
Test Report No.: 492012030.001
File No.: PVP04066/22P

Poly Solar Panels 40W-400W

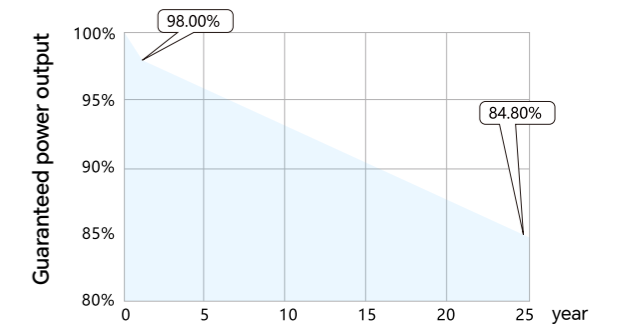


» PRODUCT SPECIALTY

-  AT A LOW COST
-  BEAUTIFUL APPEARANCE
-  HIGH RELIABILITY
-  LOW ATTENUATION
-  LOW HEAT SPOT RISK
-  LOW LOW LIGHT LOSS
-  GREEN INITIATIVE

» Linear power output is very dull

15 15 Year materials and workmanship warranty | **25** 25 Year linear power output warranty



» Certificate

IEC / EN 61215-1-1:2016;
IEC 61215-2:2016 / EN 61215-2:2017 + AC:2017 + AC:2018;
IEC 61730-1:2016 / EN IEC 61730-1:2018 + AC:2018;
IEC 61730-2:2016 / EN IEC 61730-2:2018 + AC:2018.
Registered No.: 44 780 22 406749 - 100
Manufacturer: see Annex 1
Test Report No.: 492012030.001
File No.: PVP04066/22P








Flexible Solar Panels

10W-300W



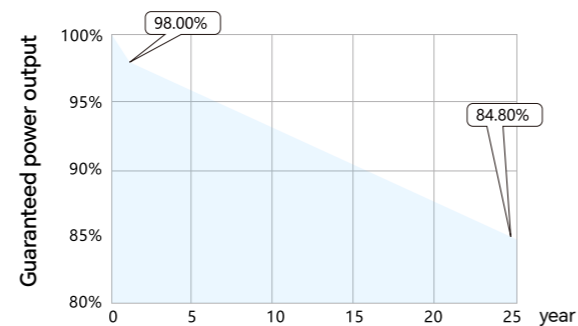
PET & ETFE Optional

» PRODUCT SPECIALTY

-  VISUAL TOTAL BLACK
-  LIGHTWEIGHT ULTRA-THIN DESIGN
-  HIGH RELIABILITY
-  CUSTOMIZABLE
-  EASY INSTALLATION
-  APPLIED ENVIRONMENT
-  GREEN INITIATIVE

» Linear power output is very dull

1 1 Year materials and workmanship warranty | **5** 5 Year linear power output warranty



» Certificate

IEC / EN 61215-1-1:2016;
IEC 61215-2:2016 / EN 61215-2:2017 + AC:2017 + AC:2018;
IEC 61730-1:2016 / EN IEC 61730-1:2018 + AC:2018;
IEC 61730-2:2016 / EN IEC 61730-2:2018 + AC:2018.
Registered No.: 44 780 22 406749 - 100
Manufacturer: see Annex 1
Test Report No.: 492012030.001
File No.: PVP04066/22P








Portable Solar Panels

50W-400W



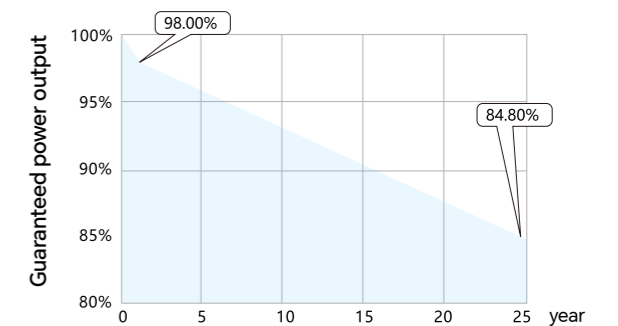
PET & ETFE Optional

» PRODUCT SPECIALTY

-  Easy to carry
-  LIGHTWEIGHT ULTRA-THIN DESIGN
-  HIGH RELIABILITY
-  CUSTOMIZABLE
-  EASY INSTALLATION
-  APPLIED ENVIRONMENT
-  GREEN INITIATIVE

» Linear power output is very dull

25 25 Year linear power output warranty



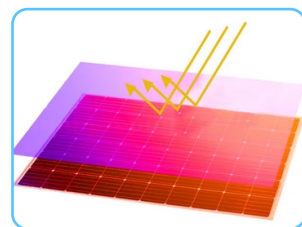
» Certificate

IEC / EN 61215-1-1:2016;
IEC 61215-2:2016 / EN 61215-2:2017 + AC:2017 + AC:2018;
IEC 61730-1:2016 / EN IEC 61730-1:2018 + AC:2018;
IEC 61730-2:2016 / EN IEC 61730-2:2018 + AC:2018.
Registered No.: 44 780 22 406749 - 100
Manufacturer: see Annex 1
Test Report No.: 492012030.001
File No.: PVP04066/22P

More Details

Product model	Pm(W)	Module Size(mm)	Vm(V)	Im(A)	Voc(V)	Isc(A)	package
182-550-M	550	2278*1134*35	41	13.4	50.8	14.6	31PCS/Pallet
182-500-M	500	2094*1134*35	38	13.2	47.0	14.3	31PCS/Pallet
182-450-M	450	1909*1134*35	35	12.9	43.3	14.0	31PCS/Pallet
182-400-M	400	1724*1134*35	31	12.9	38.4	14.1	31PCS/Pallet
182-360-M	360	1515*1134*35	27	13.3	33.4	14.5	31PCS/Pallet
182-330-M	330	1425*1134*35	34	9.7	42.1	10.6	31PCS/Pallet
182-300-M	300	1290*1134*30	34	8.8	42.1	9.6	31PCS/Pallet
182-240-M	240	1515*780*30	18	13.3	22.3	14.5	31PCS/Pallet
182-200-M	200	1290*780*30	21	9.5	26.0	10.4	2PCS/BOX
182-180-M	180	1150*780*30	18	10.0	22.3	10.9	2PCS/BOX
182-160-M	160	1025*760*30	18	8.9	22.3	9.7	2PCS/BOX
182-120-M	120	1070*585*30	18	6.7	22.3	7.3	2PCS/BOX
182-110-M	110	970*580*30	18	6.4	21.3	7.0	2PCS/BOX
182-80-M	80	760*540*25	18	4.4	22.3	4.8	2PCS/BOX
182-60-M	60	780*420*25	18	3.3	22.3	3.6	2PCS/BOX
182-50-M	50	660*400*25	18	2.8	22.3	3.0	2PCS/BOX
182-40-M	40	560*398*25	18	2.2	22.3	2.4	2PCS/BOX

Product model	Pm(W)	Module Size(mm)	Allowance	Vm(V)	Im(A)	Voc(V)	Isc(A)	package
ETFE182-240-M	240	1530*780*3	±5%	36	6.58	45.2	7.17	1Pcs/Ctn
ETFE182-200-M	200	1290*800*3	±5%	18	9.5	26	10.4	1Pcs/Ctn
ETFE182-180-M	180	1180*780*3	±5%	18	9.84	22.7	10.72	1Pcs/Ctn
ETFE182-160-M	160	1050*780*3	±5%	18	8.74	22.7	9.52	1Pcs/Ctn
ETFE182-150-M	150	1050*780*3	±5%	18	8.20	22.7	8.93	1Pcs/Ctn
ETFE182-120-M	120	900*800*3	±5%	18	6.38	23.3	6.95	1Pcs/Ctn
ETFE182-110-M	110	970*600*3	±5%	18	6.01	22.7	6.54	1Pcs/Ctn
ETFE182-80-M	80	750*600*3	±5%	18	4.26	23.3	4.64	1Pcs/Ctn
ETFE182-60-M	60	800*420*3	±5%	18	3.19	23.3	3.47	1Pcs/Ctn
PET182-240-M	240	1530*780*3	±5%	36	6.58	45.2	7.17	1Pcs/Ctn
PET182-200-M	200	1290*800*3	±5%	18	9.5	26	10.4	1Pcs/Ctn
PET182-180-M	180	1180*780*3	±5%	18	9.84	22.7	10.72	1Pcs/Ctn
PET182-160-M	160	1050*780*3	±5%	18	8.74	22.7	9.52	1Pcs/Ctn
PET182-150-M	150	1050*780*3	±5%	18	8.20	22.7	8.93	1Pcs/Ctn
PET182-120-M	120	900*800*3	±5%	18	6.38	22.3	6.95	1Pcs/Ctn
PET182-110-M	110	970*600*3	±5%	18	6.01	23.7	6.54	1Pcs/Ctn
PET182-80-M	80	750*600*3	±5%	18	4.26	23.3	4.64	1Pcs/Ctn
PET182-60-M	60	750*600*3	±5%	18	3.19	23.3	3.47	2PCS/BOX



Glass

- > Antireflective glass
- > Translucency of normal luminance is increased by 2%
- > Module efficiency is increased by 2%
- > Self-cleaning function
- > Service life is as long as 25 years (30 years optional)

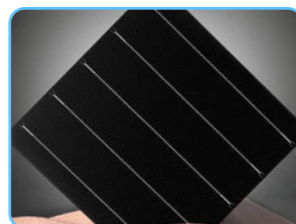


Frame

- > Conventional frame
- > Silver or black frames are optional
- > Boost bearing capability and prolong service life
- > Serrated-clip design tensile strength
- > Seal-lip designate injection

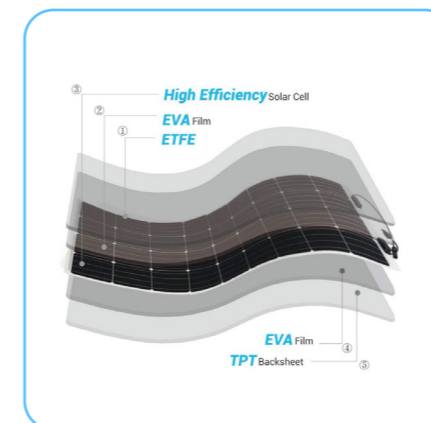
Solar Cell

- > High Efficiency PV Cells
- > Appearance Consistency
- > Color sorting ensure consistent appearance on each module
- > Anti-PID



Junction box

- > Conventional standalone edition and engineering custom edition
- > Quality diode ensures module running safety
- > IP67 protection level
- > Heat dissipation
- > Long service life



Valve-Regulated Gel Battery

Storage battery Series(Application)

Solar system / Safety system / Wind power system



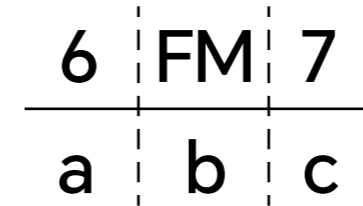
Summary

The G-FM series is a floating-charge universal battery with a design life of 5 years. It complies with IEC standards. Using the latest AGM valve control technology and high purity, the original GFM series is suitable for UPS/EPS, medical devices, Solar system and Wind power system. The G-FM series maintains high consistency for better performance and more reliable standby life.

Product Features

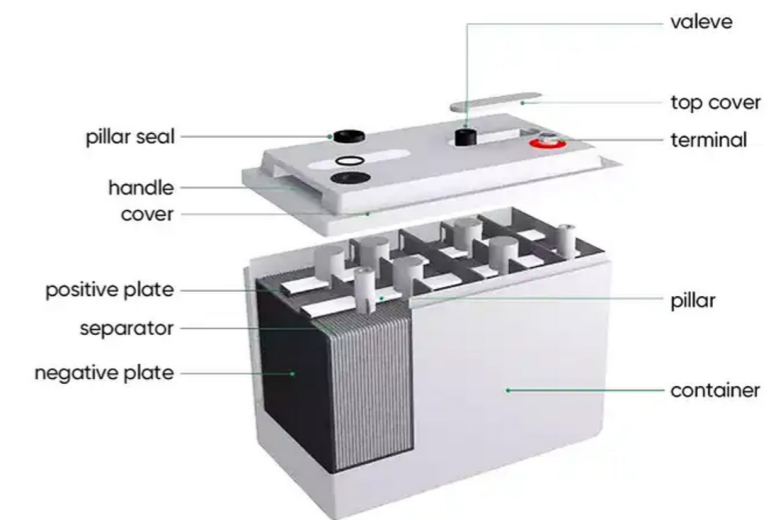
- > Capacity Range: 50Ah-250Ah;
- > Voltage : 12V;
- > Long Lifespan (25°C): 5 years;
- > Low Self-discharge Rate : ≤3%/ month;
- > High Rate Discharge Performance;
- > High Sealing Reaction Efficiency : ≥99%;
- > Wide Operating Temperature : -20°C - 60°C ;
- > Structure: Compact design, Shorter internal connection between batteries (hence lower internal resistance);
- > Plate: Paste type;
- > Terminal: Provides more types of terminal to options;
- > Diaphragm: Improved AGM diaphragm for lower internal resistance and higher assembly pressure to improve cycle life
- > Battery Box: High-strength ABS (UL94-HB) or UL94-V0;
- > Terminal Seal: Double seal technology (mechanical + epoxy resin adhesive).

Designation Of Battery Type Numbers

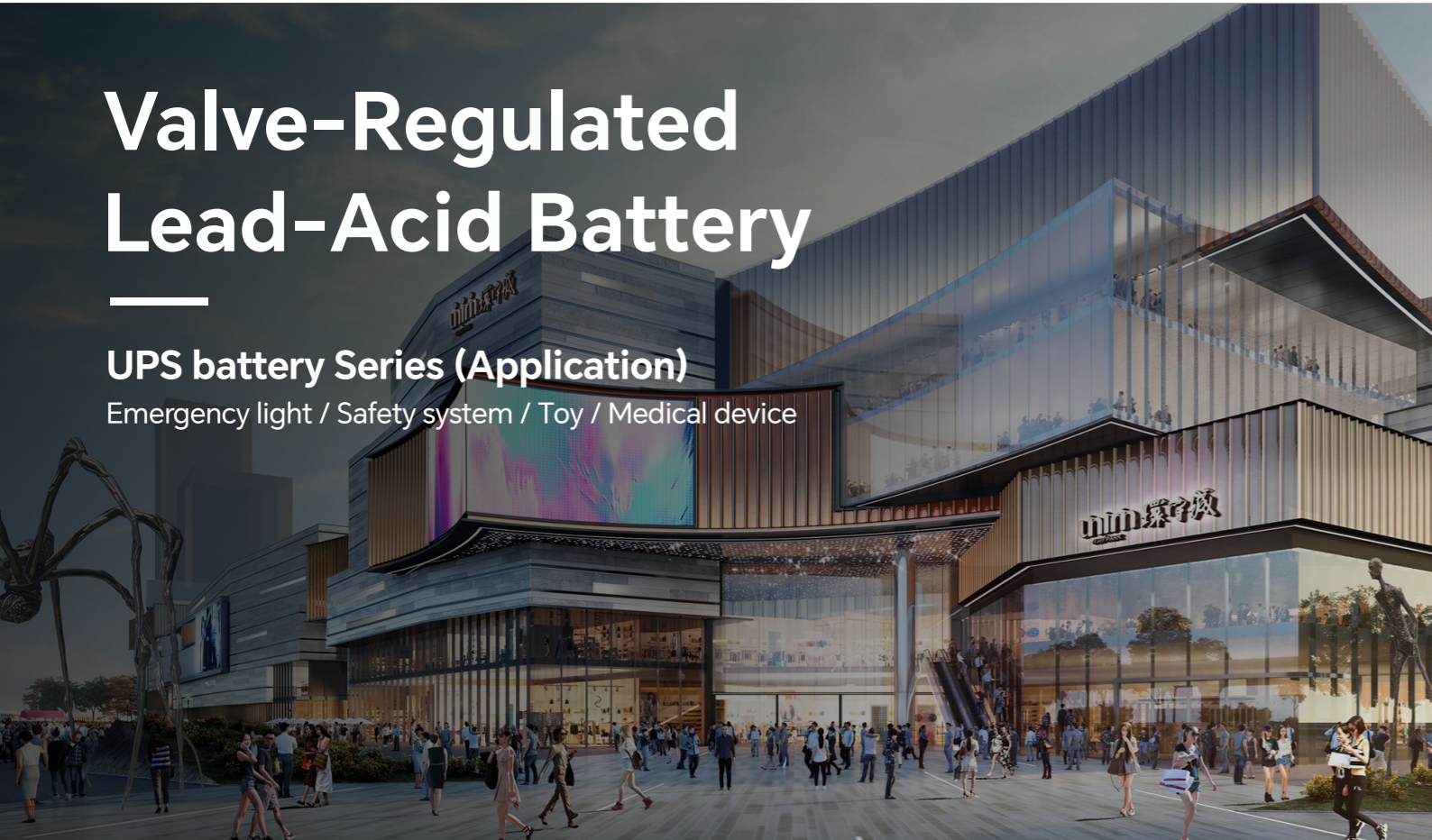


Designations:

- a - quantity of cells
- b - valve-regulated
- c - battery capacity at 20 hour rate



Battery Type	Voltage V	Capacity Ah(10HR)	Dimensions-Millimeters (±2mm)				Approx Weight Kg	Internal Resistance 25°C
			L	W	H	TH		
6FM50	12	50	228	138	211	215	16.20	8mΩ
6FM55	12	55	228	138	211	215	16.90	7mΩ
6FM65	12	65	350	166	180	-	20.20	6mΩ
6FM80	12	80	258	168	210	214	23.50	5.6mΩ
6FM100	12	100	327	172	211	215	28.60	5.0mΩ
6FM120	12	120	406	174	210	234	34.70	4.3mΩ
6FM150	12	150	484	171	240	-	41.60	3.8mΩ
6FM200	12	200	524	238	220	224	58.50	3.2mΩ
6FM250	12	250	520	268	219	223	69.50	2.5mΩ



Valve-Regulated Lead-Acid Battery

UPS battery Series (Application)

Emergency light / Safety system / Toy / Medical device

Summary

The FM series is a floating-charge universal battery with a design life of 5 years. It complies with IEC standards and uses the latest AGM valve control technology and high purity raw materials, and the battery has a reliable standby life. The FM series is suitable for UPS/EPS, medical devices, emergency lights and security systems

Product Features

- > Capacity Range: 2.6Ah-80Ah;
- > Voltage : 6V/12V;
- > Long Lifespan (25°C): 5 years;
- > Low Self-discharge Rate : ≤3%/ month;
- > High Rate Discharge Performance;
- > High Sealing Reaction Efficiency : ≥99%;
- > Wide Operating Temperature : -20°C - 60°C ;
- > Structure: Compact design, Shorter internal connection between batteries (hence lower internal resistance);
- > Plate: Paste type;
- > Terminal: Provides more types of terminal to options;
- > Diaphragm: Improved AGM diaphragm for lower internal resistance and higher assembly pressure to improve cycle life
- > Battery Box: High-strength ABS (UL94-HB) or UL94-V0;
- > Terminal Seal: Double seal technology (mechanical + epoxy resin adhesive).

Designation Of Battery Type Numbers

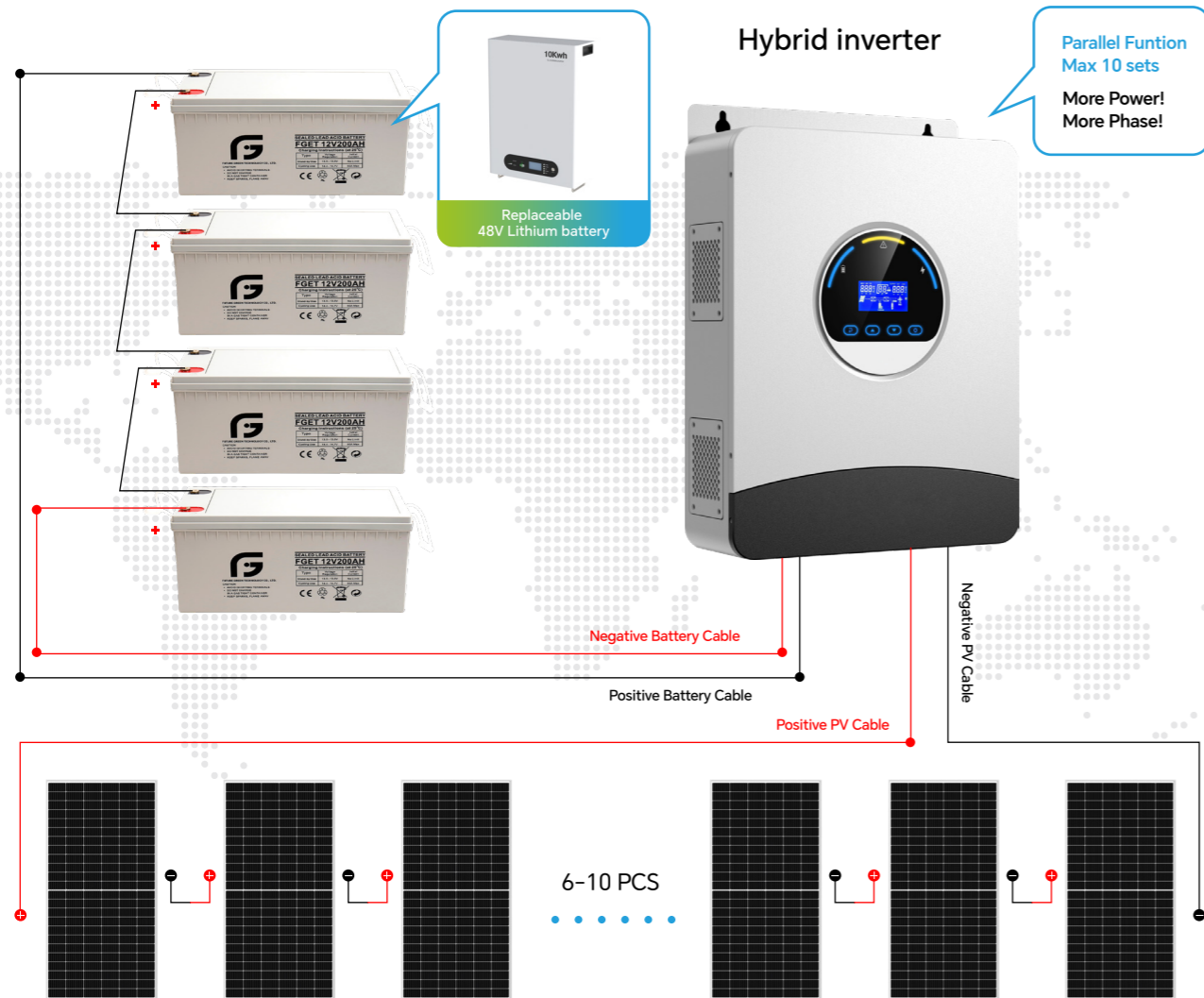
Battery Type	Voltage V	Capacity Ah(10HR)	Dimensions-Millimeters (±2mm)				Approx Weight Kg	Internal Resistance 25°C
			L	W	H	TH		
6FM2.6	12	2.6	71	47	96	102	0.80	56mΩ
6FM3	12	3	91	71	100	106	1.25	50mΩ
6FM3.5	12	3.5	91	71	100	106	1.32	45mΩ
6FM4	12	4	91	71	100	106	1.38	41mΩ
6FM4.5	12	4.5	91	71	100	106	1.44	40mΩ
6FM5	12	5	91	71	100	106	1.48	39mΩ
6FM5.5	12	5.5	91	71	100	106	1.62	37mΩ
6FM6	12	6	149	65	96	102	1.90	21.3mΩ
6FM7	12	7	149	65	96	102	2.02	21.3mΩ
6FM7.5	12	7.5	149	65	96	102	2.13	21.0mΩ
6FM9	12	9	149	65	96	102	2.38	19.8mΩ
6FM12	12	12	150	98	96	102	3.22	20mΩ
6FM17	12	17	181	77	167	-	4.96	18mΩ
6FM18	12	18	181	77	167	-	5.25	17mΩ
6FM24Y	12	26	165	175	124	-	7.50	13mΩ
6FM24P	12	24	166	125	175	-	8.10	13mΩ
6FM33	12	32	195	130	156	168	9.70	11mΩ
6FM40	12	40	197	165	175	-	12.50	9mΩ
6FM50	12	50	228	138	211	215	16.20	8mΩ
6FM55	12	55	228	138	211	215	16.90	7mΩ
6FM65	12	65	350	166	180	-	20.20	6mΩ
6FM80	12	80	258	168	210	214	23.50	5.6mΩ

Application & Production



FGET-6KW Solar system-OFF GRID

Application :Air.Condition, Fridge, Fan, Tv, Light etc.

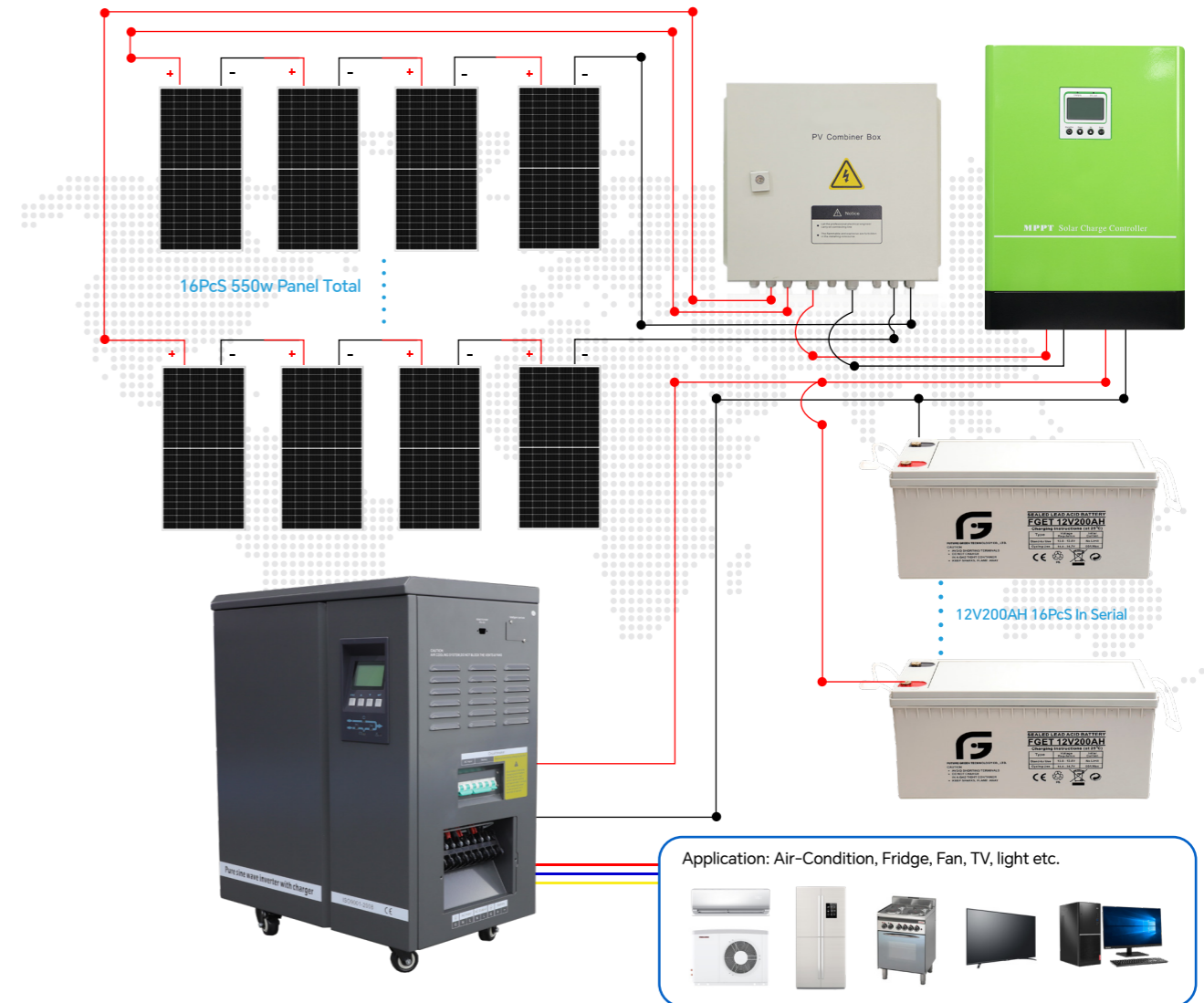


Parameters

Item	Specifications	Quantity
Inverter	48V 6KW Hybrid inverter	1
Controller	MPPT 48V 100A; PV500V	1
Solar Panel	400W-550W Mono solar panels	6-10
Battery	FGET-12V 200AH Gel Battery	4
Accessory	FGET-Battery Cable RV 1*35mm ² 30cm	set
Bracket	Can be customized according to the roof	Optional

FGET-20KW Solar system-OFF GRID

Application :Air-Condition,Fridge,Fan,Tv,Light etc.



Parameters

Item	Specifications	Quantity
Inverter	FGET-192V 20KW IGBT Pure Sine Wave	1
Controller	MPPT 192V 60A; PV430V	1
Solar Panel	FGET-550W Mono solar panels	16
Battery	FGET-12V 200AH Gel Battery	16
Combiner Box	FGET-N4,Waterpro of IP65	1
Accessory	Battery Cable RV1*35mm ² 50cm	17
Bracket	Can be customized according to the roof	Optional

Solar balcony system

Insufficient space can also use solar energy:

- 01 high efficiency
- 02 energy saving
- 03 environmental protection
- 04 easy to install

become your money saving weapon! !



800W BALCONY SOLAR SYSTEM---ON GRID

BG-800
800 WATT
Balcony-FB120-BG00

GENERAL

Model	BG800
System type	On-Grid System
Micro-Inverter	800W Wifi
Solar Panel	120W mono x 6pcs

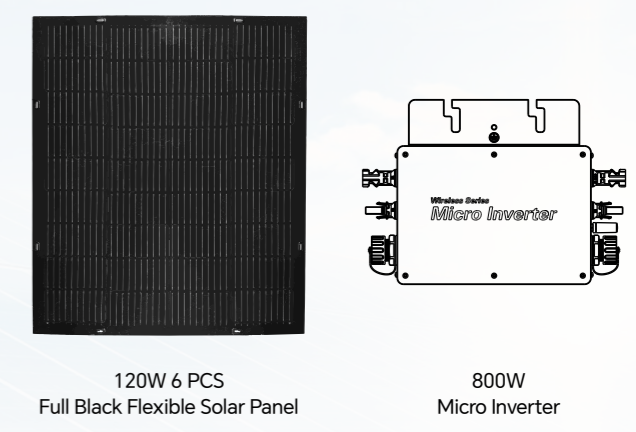
ELECTRICAL

PV open circuit	60V
PV operating voltage range	25-65V
PV short-circuit current	6.49A x 2
Rated output power	720W
Rated output current	3.13A
Rated voltage range	230V/0.85Un-1.1Un
Rated frequency range	45-55Hz/55-65Hz
Ambient Temperature Range	-40-65°C
communication	Power line / wifi / zigbee
Monitoring	APP

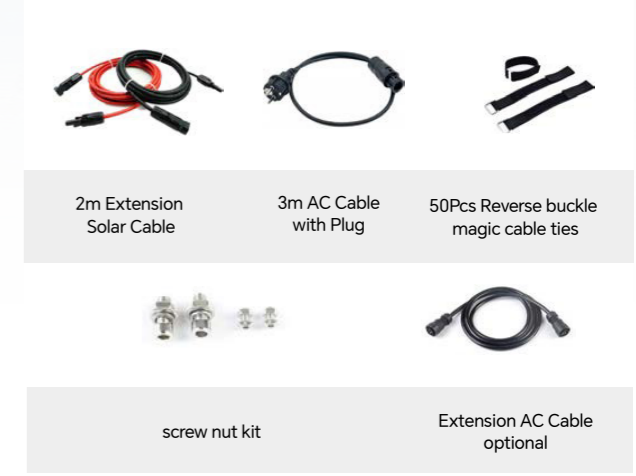
MECHANICAL

Panel Size (mm)	900mm*800mm*3mm
Inverter Size (mm)	230mm*185mm*45mm
Package Size (mm)	920mm*820mm*200mm
Weight (kg)	3.15kg

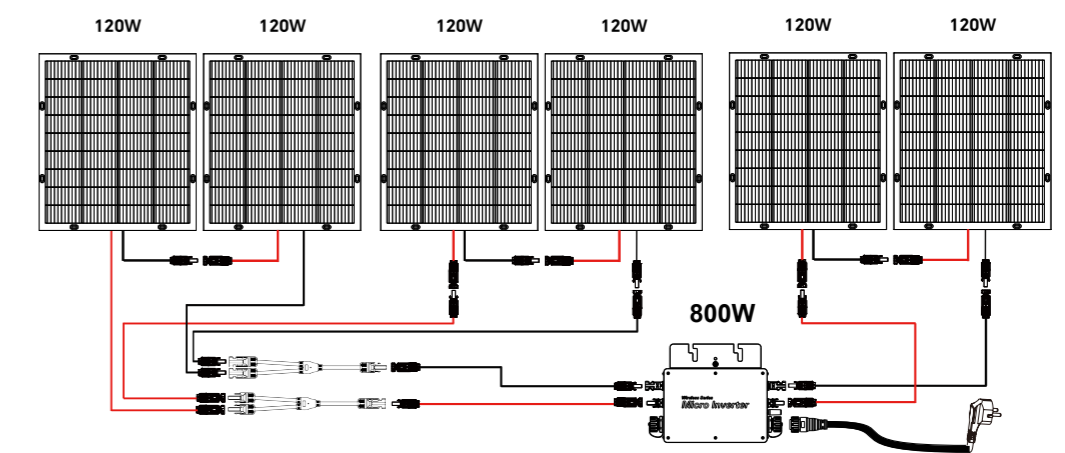
MAIN PRODUCTS

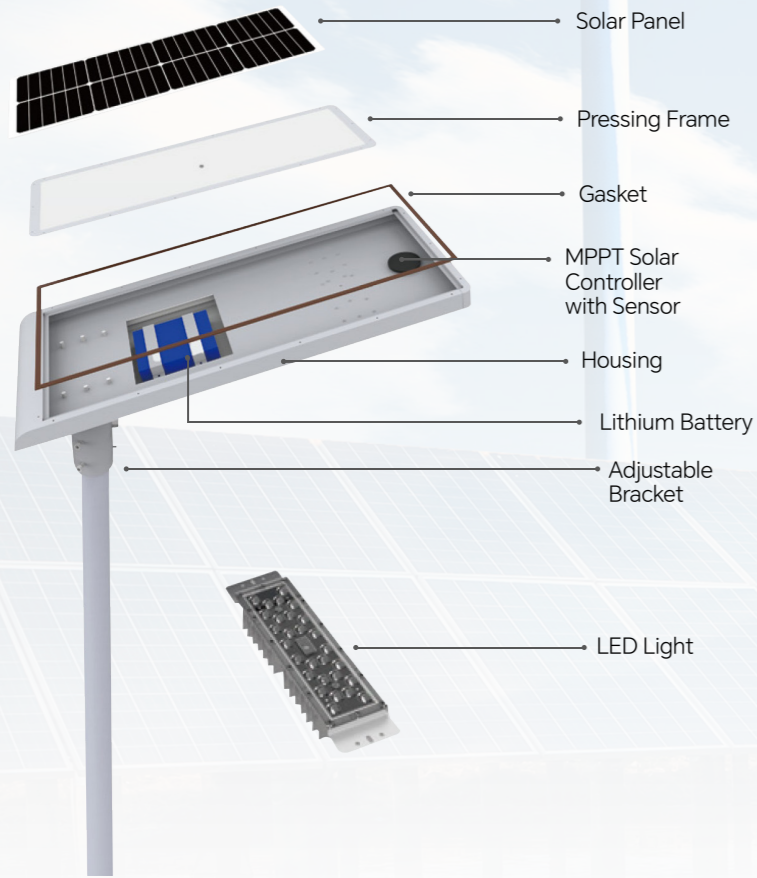


ACCESSORIES



SCHEMATIC DIAGRAM OF SOLAR PANEL CONNECTION





Applications

- Agriculture irrigation, Livestock feeding, Domestic water lifting
- Clear water supply from wells or reservoirs
- Off grid solar pumping system

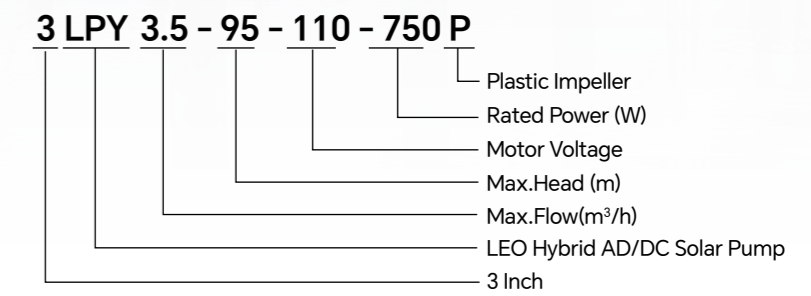
Pump Features

- With MPPT DC controller
- Plastic Impeller and diffuser
- AISI304 oil chamber & outlet
- NSK bearing
- High efficiency PMSM brushless motor (PMSM: Permanent Magnet Synchronous Motor)

MPPT AC/DC Controller

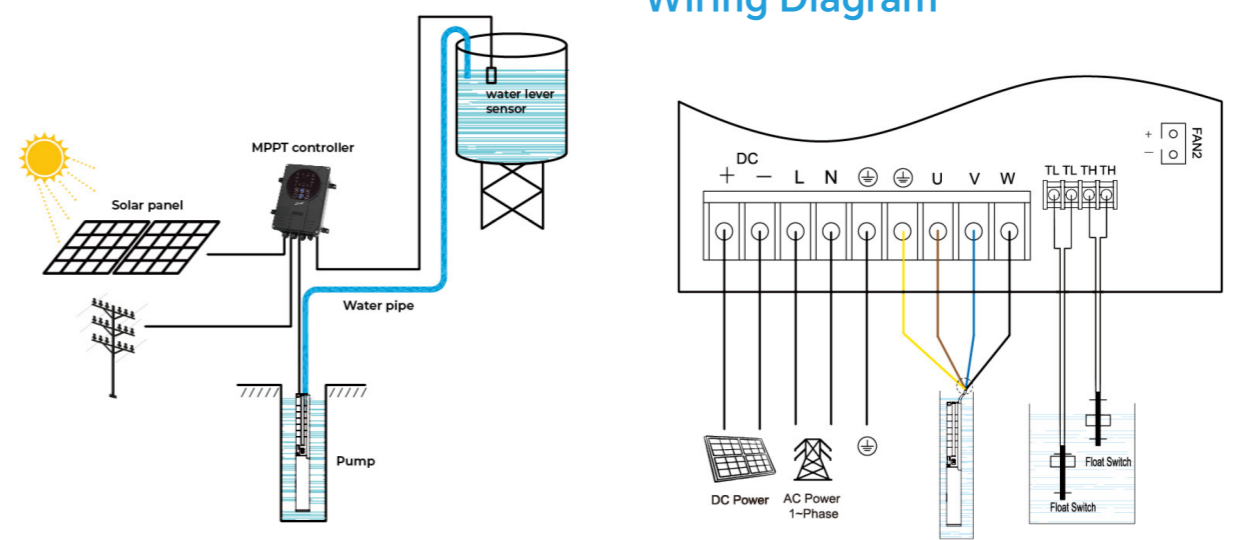
- Can be used for both AC and DC power supply
- Protection class:IP55
- Ambient temperature: -15 ~ 60°C
- LED Displays working conditions & Fault code
- Auto Start & Stop
- Soft start & VFD function

Identification Codes



Model No.	FGET-LC30W	FGET-LC40W	FGET-LC50W	FGET-LC60W	FGET-LC90W
Solar Panel Type	Mono Crystalline				
Power of PV Module	60W	70W	80W	90W	125W
PIR Sensor	Yes (PIR/Microwave type, selectable)				
Visual Angle	150°×70°(Optional)				
Light Output	48W	72W	96W	120W	192W
LiFePO4 Battery	250Wh	291Wh	320Wh	384Wh	520Wh
Dimension	900*385*73mm	1060*385*73mm	1210*385*73mm	1390*385*73mm	1805*385*73mm
Main material	Die Casting Aluminum alloy				
LED Clip	MD5050 (Philips, Bridgelux, Cree, Osram, Nichia available and optional)				
Color Temperature	3000-6500K(Optional)				
Charge Controller	MPPT Charging				
Battery Backup Time	2~3 days				
Operating temperature	-20 °C to +75 °C				
Fitting Color	RAL 9006(Optional)				
Ingress Protection	IP66				
Operational life	25 years				
Mounting Bracket	Azimuth: 360° rotation; Inclination angle: 0-90° adjustable				
Application	Residential Areas, Roads, Parking Lots, Suares, Parks, Municipal, Agriculture Lightings & Aquaculture Lightings				
Certificate	Certiicate CE, RoHS, CB, IEC60598, IK10, LM79				

Wiring Diagram



Certification



Engineering Case



5MW photovoltaic power station project in a factory in Shaoguan



3MW photovoltaic power station project in a factory in Qingyuan



800KW photovoltaic power station project of a school in Guangdong



500KW photovoltaic power station project in a factory in Guangzhou



A company's parking shed 200KW photovoltaic power station project



850KW photovoltaic power station project of a company in Guangzhou