



PV MODULES / SOLAR INVERTERS / LITHIUM BATTERIES

PRODUCT CATALOG

GEO POWER

Geo Power is at the forefront of the clean energy revolution, delivering cutting-edge solar PV and alternative power solutions tailored to optimize a wide range of project applications.

Our comprehensive suite of innovative energy technologies is designed to drive efficiency, sustainability, and long-term value, empowering businesses and communities to lead the transition to a greener future





PHOTOVOLTAIC MODULES

GEO-M-460

435-460 Watt
MONO-FACIAL MODULE

N-type



N-type Technology

N-type modules with Tunnel Oxide Passivating Contacts (TOPcon) technology offer lower LID/LeTID degradation and better low light performance.



Durability Against Extreme Environment

High salt mist and ammonia resistance.



SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



HOT 3.0 Technology

N-type modules with JinkoSolar's HOT 3.0 technology offer better reliability and efficiency.



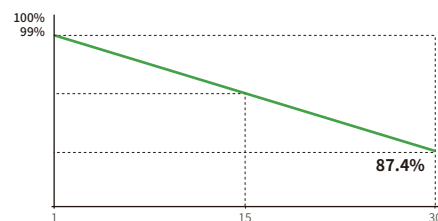
Mechanical Load Enhanced

Certified to withstand:
6000 Pa front side max static test load
4000 Pa rear side max static test load



Anti-PID Guarantee

Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.



15Year
Product Warranty

30Year
Linear Power
Warranty

1%
First-year
Degradation

0.40%
Annual Degradation
Over 30 Years

- IEC61215:2021 / IEC61730:2023
- IEC61701 / IEC62716 / IEC60068 / IEC62804
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems



POSITIVE QUALITY™
Continuous Quality Assurance

PV MODULES - MONO FACIAL

GEO-M-460 (435-460 Watt)

Mechanical Characteristics

Cell Type	N -type Mono-crystalline
No. of cells	108 (54×2)
Dimensions	1762×1134×30 mm
Weight	21.0 kg
Front Glass	3.2mm, Anti-reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Protection Class	Class II
IEC Fire Type	Class C
Connector Type	JK03M/MC4/Others
Output Cables	4.0 mm ² (+): 400 mm , (-): 200 mm or Customized Length

Packaging Configuration

Pallet Dimensions	1792×1140×1249 mm
Packing detail (Two pallets=One stack)	37 pcs/pallets, 74 pcs/stack, 962 pcs/ 40'HQ Container

Specifications (STC)

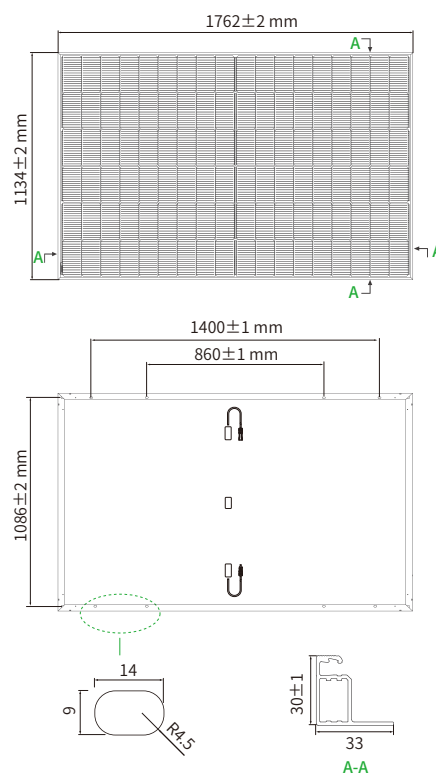
Maximum Power – Pmax [Wp]	435	440	445	450	455	460
Maximum Power Voltage – Vmp [V]	32.59	32.81	33.02	33.21	33.41	33.60
Maximum Power Current – Imp [A]	13.35	13.41	13.48	13.55	13.62	13.69
Open-circuit Voltage – Voc [V]	39.16	39.38	39.59	39.78	39.98	40.17
Short-circuit Current – Isc [A]	13.80	13.86	13.93	14.00	14.07	14.14
Module Efficiency STC [%]	21.77	22.02	22.27	22.52	22.77	23.02
Power Tolerance	0 ~ + 3 %					
Temperature Coefficients of Pmax	-0.29 %/°C					
Temperature Coefficients of Voc	-0.25 %/°C					
Temperature Coefficients of Isc	0.045 %/°C					

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

Application Conditions

Operating Temperature	-40 °C ~ +70°C
Maximum System Voltage	1000/1500 VDC (IEC)
Maximum Series Fuse Rating	25 A

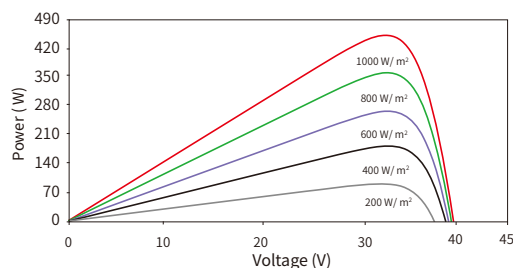
Engineering Drawings



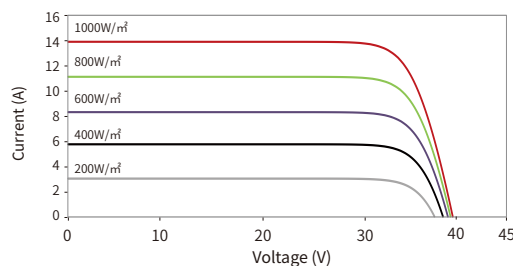
*Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.

Electrical Performance

Power-Voltage Curves



Current-Voltage Curves



PV MODULES - MONO FACIAL

GEO-M-500

475-500 Watt

MONO-FACIAL MODULE

N-type



N-type Technology

N-type modules with Tunnel Oxide Passivating Contacts (TOPcon) technology offer lower LID/LeTID degradation and better low light performance.



Durability Against Extreme Environment

High salt mist and ammonia resistance.



SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



HOT 3.0 Technology

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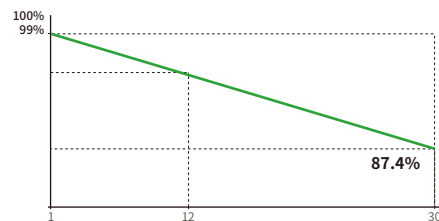
Mechanical Load Enhanced

Certified to withstand:
5400 Pa front side max static test load
2400 Pa rear side max static test load



Anti-PID Guarantee

Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.



12 Year
Product Warranty

30 Year
Linear Power
Warranty

1%
First-year
Degradation

0.40%
Annual Degradation
Over 30 Years

- IEC61215:2021 / IEC61730:2023
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- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems



PV MODULES - MONO FACIAL

GEO-M-500 (475-500 Watt)

Mechanical Characteristics

Cell Type	N -type Mono-crystalline
No. of cells	120 (60×2)
Dimensions	1906×1134×30 mm
Weight	22.5 kg
Front Glass	3.2mm, Anti-reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Protection Class	Class II
IEC Fire Type	Class C
Connector Type	JK03M/MC4/Others
Output Cables	4.0 mm ² (+): 400 mm , (-): 200 mm or Customized Length

Packaging Configuration

Pallet Dimensions	1936×1140×1249 mm
Packing detail (Two pallets=One stack)	37 pcs/pallets, 74 pcs/stack, 888 pcs/ 40'HQ Container

Specifications (STC)

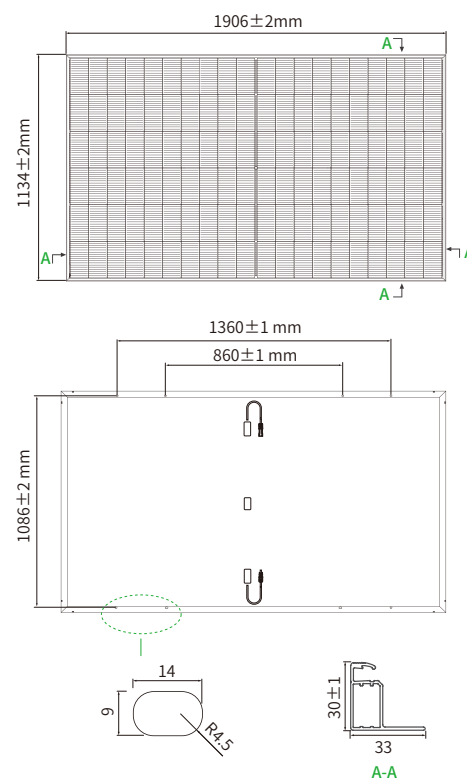
Maximum Power – Pmax [Wp]	475	480	485	490	495	500
Maximum Power Voltage – Vmp [V]	35.88	36.06	36.25	36.43	36.62	36.79
Maximum Power Current – Imp [A]	13.24	13.31	13.38	13.45	13.52	13.59
Open-circuit Voltage – Voc [V]	43.45	43.60	43.76	43.91	44.07	44.21
Short-circuit Current – Isc [A]	13.77	13.85	13.93	14.01	14.09	14.17
Module Efficiency STC [%]	21.98	22.21	22.44	22.67	22.90	23.17
Power Tolerance	0 ~ +3 %					
Temperature Coefficients of Pmax	-0.29 %/°C					
Temperature Coefficients of Voc	-0.25 %/°C					
Temperature Coefficients of Isc	0.045 %/°C					

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

Application Conditions

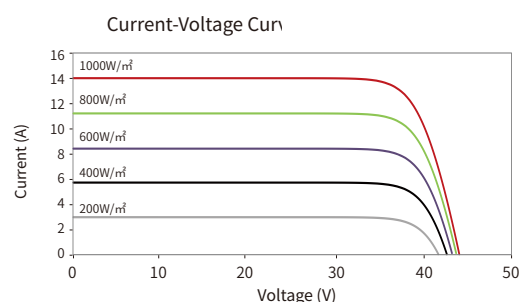
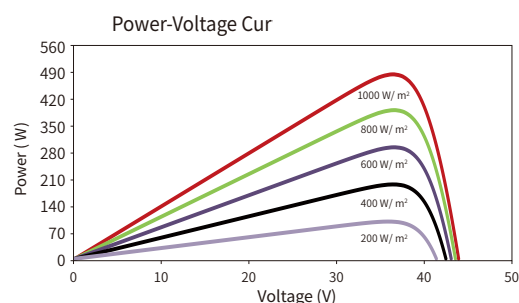
Operating Temperature	-40 °C ~ +70°C
Maximum System Voltage	1000/1500 VDC (IEC)
Maximum Series fuse Rating	25 A

Engineering Drawings



*Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.

Electrical Performance



PV MODULES - MONO FACIAL

GEO-M-605

580-605 Watt
MONO-FACIAL MODULE

N-type



N-type Technology

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HOT 3.0 Technology

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Durability Against Extreme Environment

High salt mist and ammonia resistance.



Mechanical Load Enhanced

Certified to withstand:
5400 Pa front side max static test load
2400 Pa rear side max static test load



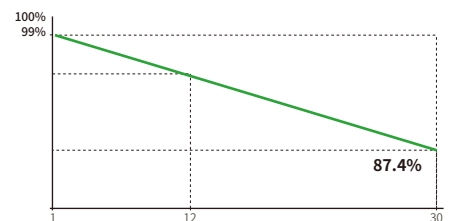
SMBB Technology

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Anti-PID guarantee

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Over 30 Years

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PV MODULES - MONO FACIAL

GEO-M-600 (580-600 Watt)

Mechanical Characteristics

Cell Type	N -type Mono-crystalline
No. of cells	144 (72×2)
Dimensions	2278×1134×30 mm
Weight	27.0 kg
Front Glass	3.2mm, Anti-reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Protection Class	Class II
IEC Fire Type	Class C
Connector Type	JK03M/MC4/Others
Output Cables	4.0 mm ² (+): 400 mm , (-): 200 mm or Customized Length

Packaging Configuration

Pallet Dimensions	2308×1120×1249 mm
Packing detail (Two pallets=One stack)	36 pcs/pallets, 72 pcs/stack, 720 pcs/ 40'HQ Container

Specifications (STC)

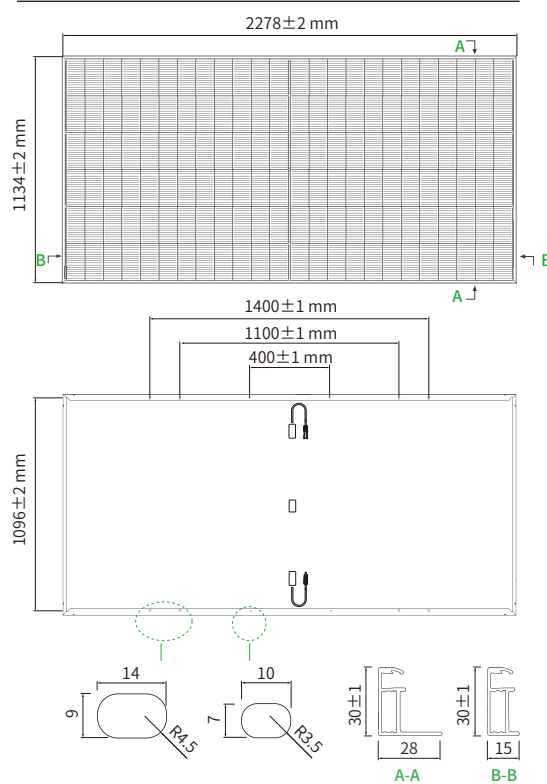
Maximum Power – Pmax [Wp]	580	585	590	595	600	605
Maximum Power Voltage – Vmp [V]	43.35	43.53	43.71	43.88	44.06	44.23
Maximum Power Current – Imp [A]	13.38	13.44	13.50	13.56	13.62	13.68
Open-circuit Voltage – Voc [V]	52.31	52.47	52.63	52.79	52.95	53.11
Short-circuit Current – Isc [A]	14.01	14.07	14.13	14.19	14.25	14.31
Module Efficiency STC [%]	22.45	22.65	22.84	23.03	23.23	23.42
Power Tolerance	0 ~ + 3 %					
Temperature Coefficients of Pmax	-0.29 %/°C					
Temperature Coefficients of Voc	-0.25 %/°C					
Temperature Coefficients of Isc	0.045 %/°C					

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

Application Conditions

Operating Temperature	-40 °C ~ +70°C
Maximum System Voltage	1000/1500 VDC (IEC)
Maximum Series Fuse Rating	25 A

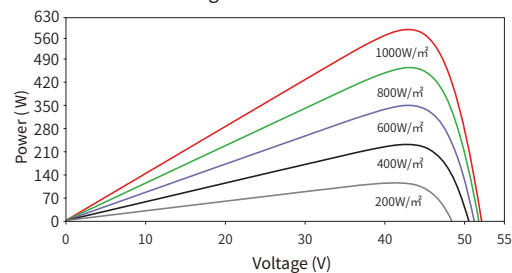
Engineering Drawings



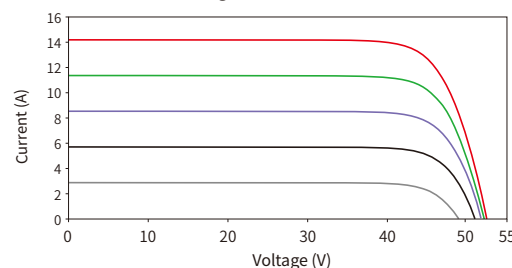
*Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.

Electrical Performance

Power-Voltage Curves



Current-Voltage Curves



PV MODULES - MONO FACIAL

GEO-M-635

610-635 Watt
MONO-FACIAL MODULE

N-type



N-type Technology

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HOT 3.0 Technology

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Durability Against Extreme Environment

High salt mist and ammonia resistance.



Mechanical Load Enhanced

Certified to withstand:
5400 Pa front side max static test load
2400 Pa rear side max static test load



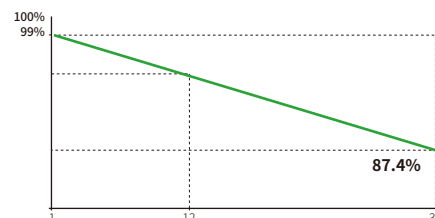
SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



Anti-PID guarantee

Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.



12 Year
Product Warranty

30 Year
Linear Power
Warranty

1 %
First-year
Degradation

0.40 %
Annual Degradation
Over 30 Years

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POSITIVE QUALITY™
Continuous Quality Assurance

PV MODULES - MONO FACIAL

GEO-M-635 (610-635 Watt)

Mechanical Characteristics

Cell Type	N -type Mono-crystalline
No. of cells	132 (66×2)
Dimensions	2382×1134×35 mm
Weight	28.2 kg
Front Glass	3.2mm, Anti-reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Protection Class	Class II
IEC Fire Type	Class C
Connector Type	JK03M/MC4/Others
Output Cables	4.0 mm ² (+): 400 mm , (-): 200 mm or Customized Length

Packaging Configuration

Pallet Dimensions	2396×1110×1251 mm
Packing detail (Two pallets=One stack)	31 pcs/pallets, 62 pcs/stack, 620 pcs/ 40'HQ Container

Specifications (STC)

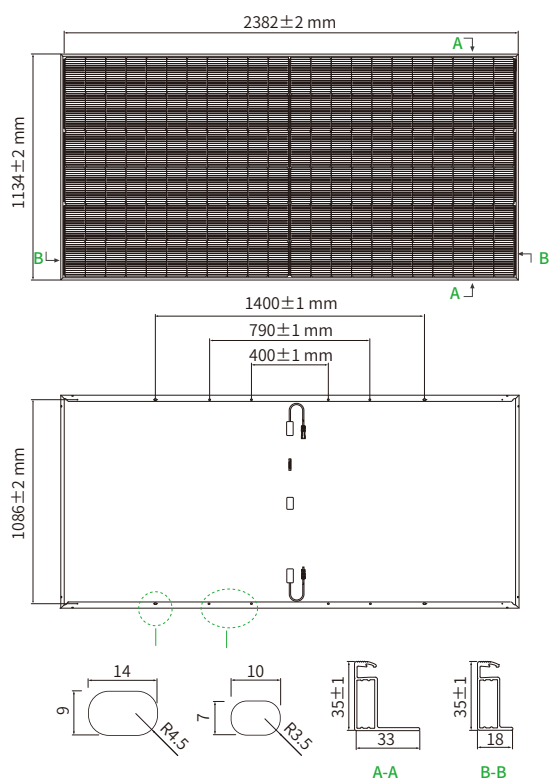
Maximum Power – Pmax [Wp]	610	615	620	625	630	635
Maximum Power Voltage – Vmp [V]	40.56	40.73	40.90	41.07	41.23	41.39
Maximum Power Current – Imp [A]	15.04	15.10	15.16	15.22	15.28	15.34
Open-circuit Voltage – Voc [V]	48.63	48.79	48.95	49.11	49.27	49.43
Short-circuit Current – Isc [A]	16.01	16.08	16.15	16.22	16.29	16.36
Module Efficiency STC [%]	22.58	22.77	22.95	23.14	23.32	23.51
Power Tolerance	0 ~ + 3 %					
Temperature Coefficients of Pmax	-0.29 %/°C					
Temperature Coefficients of Voc	-0.25 %/°C					
Temperature Coefficients of Isc	0.045 %/°C					

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

Application Conditions

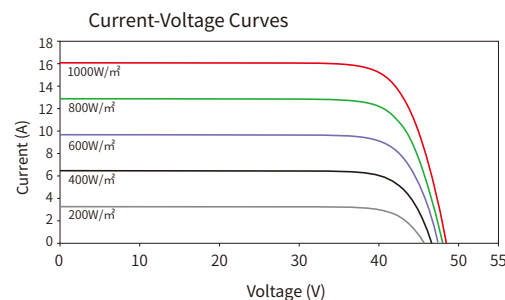
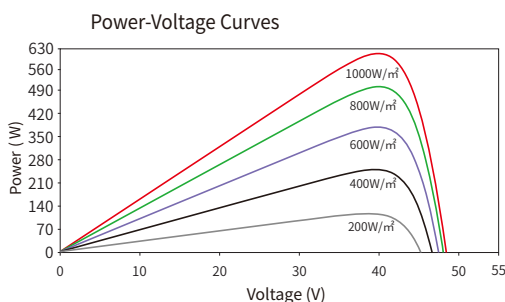
Operating Temperature	-40 °C ~ +70°C
Maximum System Voltage	1000/1500 VDC (IEC)
Maximum Series Fuse Rating	30 A

Engineering Drawings



*Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.

Electrical Performance



GEO-BI-600

575-600 Watt

BIFACIAL MODULE WITH DUAL GLASS

N-type



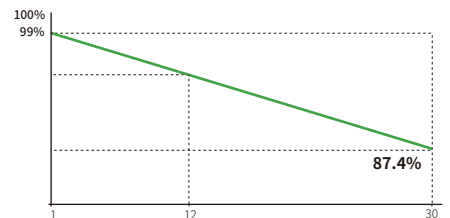
N-type Technology

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HOT 3.0 Technology

N-type modules with JinkoSolar's HOT 3.0 technology offer better reliability and efficiency.



Dual-Sided Power Generation

Dual-sided power generation gain increases with backside exposure to light, significantly reducing LCOE.



Mechanical Load Enhanced

Certified to withstand:
5400 Pa front side max static test load
2400 Pa rear side max static test load



SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



Anti-PID Guarantee

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Over 30 Years

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POSITIVE QUALITY™
Continuous Quality Assurance

PV MODULES - BIFACIAL

GEO-BI-600 (575-600 Watt)

Mechanical Characteristics

Cell Type	N- type Mono-crystalline
No. of cells	144 (72×2)
Dimensions	2278×1134×30 mm
Weight	31.0 kg
Front Glass	2.0 mm, Anti-reflection Coating
Back Glass	2.0 mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Protection Class	Class II
IEC Fire Type	Class C
Connector Type	JK03M/MC4/Others
Output Cables	4.0 mm ² (+): 400 mm , (-): 200 mm or Customized Length

Packaging Configuration

Pallet Dimintions	2338×1140×1251 mm
Packing Detail (Two pallets = One stack)	36 pcs/pallets, 72 pcs/stack, 720 pcs/ 40'HQ Container

Specifications (STC)

Maximum Power - Pmax [Wp]	575	580	585	590	595	600
Maximum Power Voltage - Vmp [V]	43.73	43.88	44.02	44.17	44.31	44.45
Maximum Power Current - Imp [A]	13.15	13.22	13.29	13.36	13.43	13.50
Open-circuit Voltage - Voc [V]	52.30	52.50	52.70	52.90	53.10	53.30
Short-circuit Current - Isc [A]	13.89	13.95	14.01	14.07	14.13	14.19
Module Efficiency STC [%]	22.26	22.45	22.65	22.84	23.03	23.23
Power Tolerance	0 ~ + 3 %					
Temperature Coefficients of Pmax	-0.29 %/°C					
Temperature Coefficients of Voc	-0.25 %/°C					
Temperature Coefficients of Isc	0.045 %/°C					

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

Specifications (BNPI)

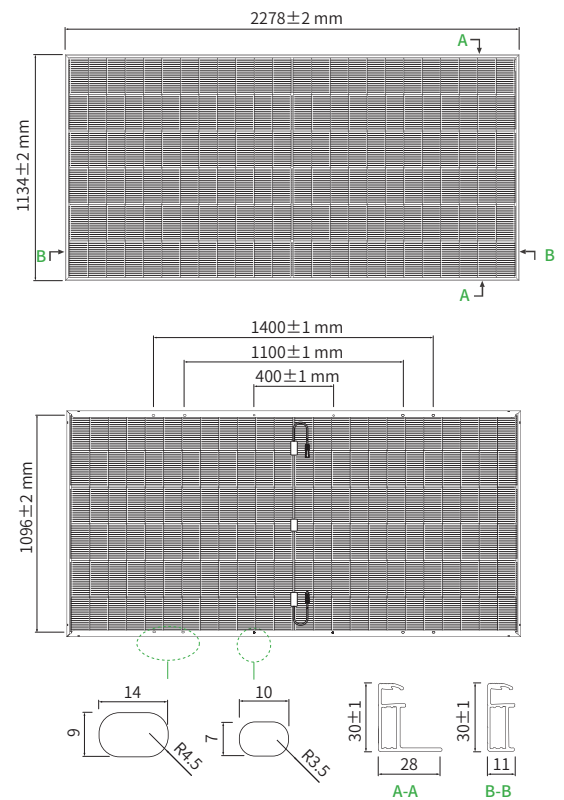
Maximum Power - Pmax [Wp]	633	638	644	649	655	660
Maximum Power Voltage - Vmp [V]	43.84	44.00	44.17	44.33	44.50	44.66
Maximum Power Current - Imp [A]	14.44	14.50	14.58	14.64	14.72	14.78
Open-circuit Voltage - Voc [V]	52.33	52.53	52.73	52.93	53.13	53.33
Short-circuit Current - Isc [A]	15.19	15.25	15.31	15.37	15.43	15.49

BNPI: Irradiance: front 1000W/m², rear 135W/m², Cell Temperature 25°C, AM=1.5

Application Conditions

Operating Temperature	-40 °C ~ +70 °C
Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	30 A
Bifaciality Coefficient	φVoc: 98±5 %, φIsc: 80±5 %, φPmax: 80±5 %

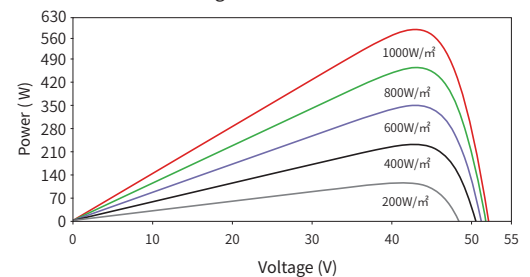
Engineering Drawings



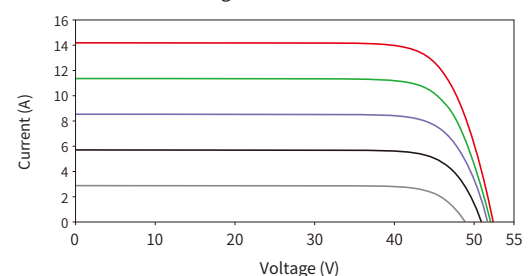
Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.

Electrical Performance

Power-Voltage Curves



Current-Voltage Curves



GEO-BI-630

605-630 Watt

BIFACIAL MODULE WITH DUAL GLASS

N-type



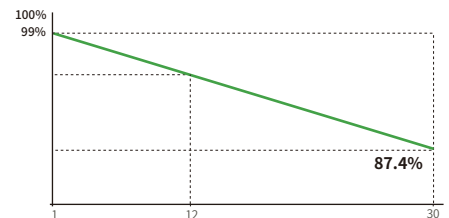
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Mechanical Load Enhanced

Certified to withstand:
5400 Pa front side max static test load
2400 Pa rear side max static test load

12 Year Product Warranty | **30** Year Linear Power Warranty | **1** % First-year Degradation | **0.40** % Annual Degradation Over 30 Years

- IEC61215:2021 / IEC61730:2023
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Anti-PID Guarantee

Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.



PV MODULES - BIFACIAL

GEO-BI-630 (605-630 Watt)

Mechanical Characteristics

Cell Type	N- type Mono-crystalline
No. of cells	132 (66×2)
Dimensions	2382×1134×30 mm
Weight	32.4 kg
Front Glass	2.0 mm, Anti-reflection Coating
Back Glass	2.0 mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Protection Class	Class II
IEC Fire Type	Class C
Connector Type	JK03M/MC4/Others
Output Cables	4.0 mm ² (+): 400 mm , (-): 200 mm or Customized Length

Packaging Configuration

Pallet Dimintions	2396×1110×1251 mm
Packing Detail (Two pallets = One stack)	36 pcs/pallets, 72 pcs/stack, 720 pcs/ 40'HQ Container

Specifications (STC)

Maximum Power - Pmax [Wp]	605	610	615	620	625	630
Maximum Power Voltage - Vmp [V]	40.31	40.46	40.60	40.74	40.88	41.02
Maximum Power Current - Imp [A]	15.01	15.08	15.15	15.22	15.29	15.36
Open-circuit Voltage - Voc [V]	48.48	48.68	48.88	49.08	49.28	49.48
Short-circuit Current - Isc [A]	15.90	15.96	16.02	16.08	16.14	16.20
Module Efficiency STC [%]	22.40	22.58	22.77	22.95	23.14	23.32
Power Tolerance	0 ~ + 3 %					
Temperature Coefficients of Pmax	-0.29 %/°C					
Temperature Coefficients of Voc	-0.25 %/°C					
Temperature Coefficients of Isc	0.045 %/°C					

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

Specifications (BNPI)

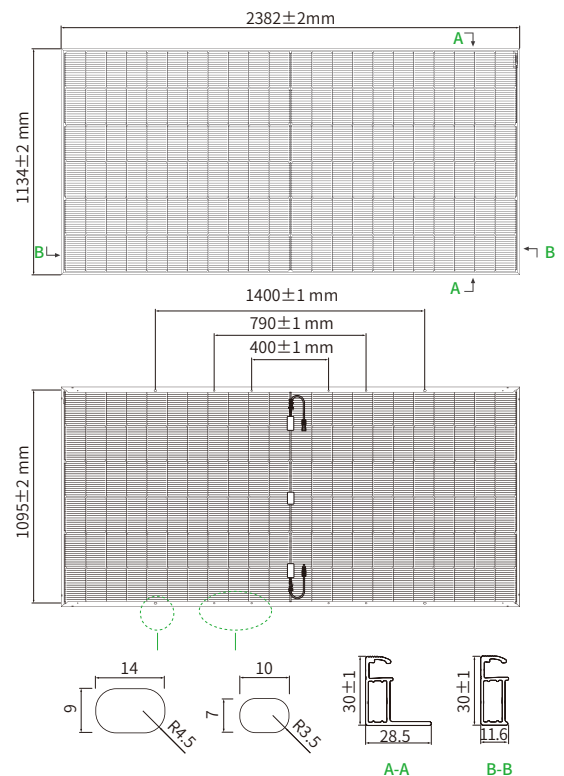
Maximum Power - Pmax [Wp]	668	674	679	685	690	696
Maximum Power Voltage - Vmp [V]	40.29	40.46	40.59	40.75	40.88	41.04
Maximum Power Current - Imp [A]	16.58	16.66	16.73	16.81	16.88	16.95
Open-circuit Voltage - Voc [V]	48.46	48.66	48.86	49.06	49.26	49.46
Short-circuit Current - Isc [A]	17.56	17.64	17.70	17.77	17.83	17.90

BNPI: Irradiance: front 1000W/m², rear 135W/m², Cell Temperature 25°C, AM=1.5

Application Conditions

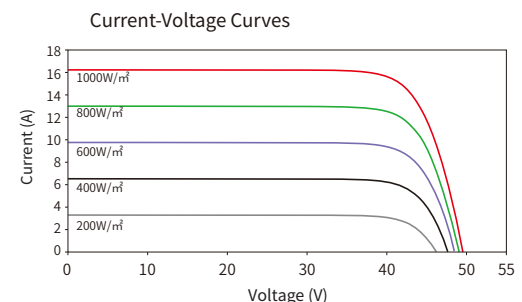
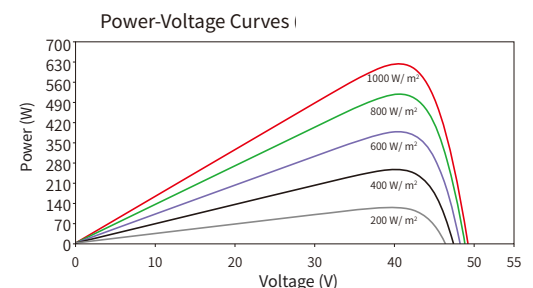
Operating Temperature	-40 °C ~ +70 °C
Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	35 A
Bifaciality Coefficient	φVoc: 98±5 %, φIsc: 80±5 %, φPmax: 80±5 %

Engineering Drawings



Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.

Electrical Performance



GEO-BI-650

625-650 Watt

BIFACIAL MODULE WITH DUAL GLASS

N-type



N-type Technology

N-type modules with Tunnel Oxide Passivating Contacts (TOPcon) technology offer lower LID/LeTID degradation and better low light performance.



Dual-Sided Power Generation

Dual-sided power generation gain increases with backside exposure to light, significantly reducing LCOE.



SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



HOT 3.0 Technology

N-type modules with JinkoSolar's HOT 3.0 technology offer better reliability and efficiency.



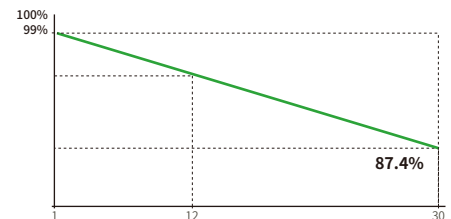
Mechanical Load Enhanced

Certified to withstand:
5400 Pa front side max static test load
2400 Pa rear side max static test load



Anti-PID Guarantee

Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.



12Year Product Warranty	30Year Linear Power Warranty	1% First-year Degradation	0.40% Annual Degradation Over 30 Years
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- IEC61215:2021 / IEC61730:2023
- IEC61701 / IEC62716 / IEC60068 / IEC62804
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems



POSITIVE QUALITY™
Continuous Quality Assurance

PV MODULES - BIFACIAL

GEO-BI-650 (625-650 Watt)

Mechanical Characteristics

Cell Type	N- type Mono-crystalline
No. of cells	156 (78×2)
Dimensions	2465×1134×30 mm
Weight	34.0 kg
Front Glass	2.0 mm, Anti-reflection Coating
Back Glass	2.0 mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Protection Class	Class II
IEC Fire Type	Class C
Connector Type	JK03M/MC4/Others
Output Cables	4.0 mm ² (+): 400 mm , (-): 200 mm or Customized Length

Packaging Configuration

Pallet Dimentions	2525×1140×1251 mm
Packing Detail (Two pallets = One stack)	36 pcs/pallets, 72 pcs/stack, 576 pcs/ 40'HQ Container

Specifications (STC)

Maximum Power - Pmax [Wp]	625	630	635	640	645	650
Maximum Power Voltage - Vmp [V]	47.54	47.70	47.86	48.02	48.17	48.33
Maximum Power Current - Imp [A]	13.15	13.21	13.27	13.33	13.39	13.45
Open-circuit Voltage - Voc [V]	56.95	57.08	57.21	57.34	57.47	57.60
Short-circuit Current - Isc [A]	13.80	13.86	13.92	13.98	14.04	14.10
Module Efficiency STC [%]	22.36	22.54	22.72	22.90	23.07	23.25
Power Tolerance	0 ~ + 3 %					
Temperature Coefficients of Pmax	-0.29 %/°C					
Temperature Coefficients of Voc	-0.25 %/°C					
Temperature Coefficients of Isc	0.045 %/°C					

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

Specifications (BNPI)

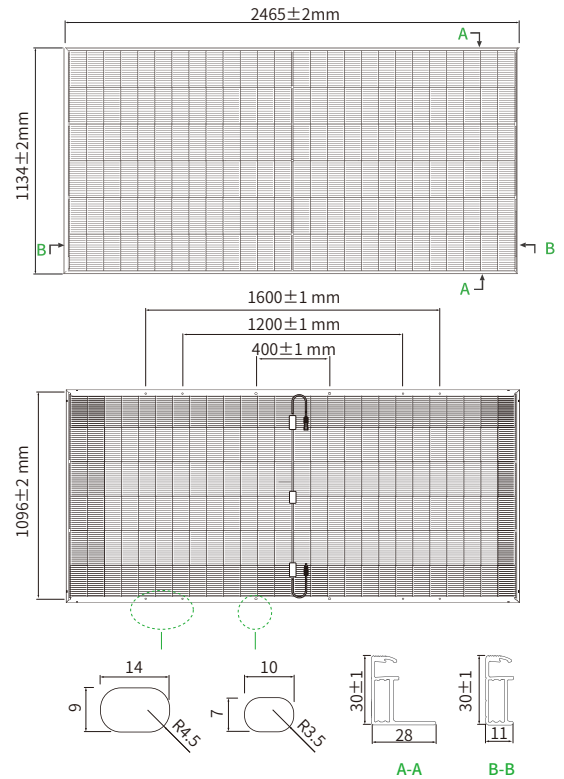
Maximum Power - Pmax [Wp]	688	693	699	704	710	716
Maximum Power Voltage - Vmp [V]	47.57	47.73	47.91	48.06	48.23	48.40
Maximum Power Current - Imp [A]	14.46	14.52	14.59	14.65	14.72	14.79
Open-circuit Voltage - Voc [V]	57.00	57.14	57.28	57.42	57.56	57.70
Short-circuit Current - Isc [A]	15.19	15.27	15.35	15.43	15.51	15.59

BNPI: Irradiance: front 1000W/m², rear 135W/m², Cell Temperature 25°C, AM=1.5

Application Conditions

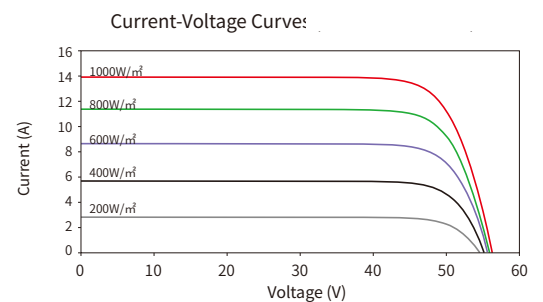
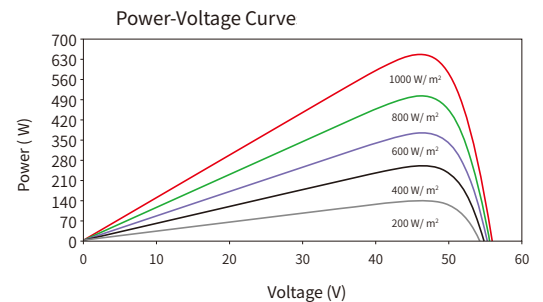
Operating Temperature	-40 °C ~ +70 °C
Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	30 A
Bifaciality Coefficient	φVoc: 98±5 %, φIsc: 80±5 %, φPmax: 80±5 %

Engineering Drawings



*Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.

Electrical Performance





SOLAR INVERTERS

INVERTERS - OFF GRID



GEO-0-1.2-3.5

1.2 - 3.5 kw

Off grid Solar inverter

Battery Voltage	24		
Battery Type	Lithium\Lead-acid		
Inverter Output			
Rated Power	1.2kw	2kw	3kw
Surge Rating	2.4kw	4kw	6kw
Waveform	Pure sine wave		
Nominal Output Voltage RMS	220v/230v/240v AC (+/- 10%)		
Output Frequency	50/60 +/- 0.3		
Solar Charger			
Maximum Pv Charge Current	50A		
Maximum PV Array Power	1.1kw	1.5kw	1.8kw
Number of MPPT trackers/string	1/1		
AC Input			
Voltage	230 VAC		
Selectable Voltage Range	230 VAC		
ferquency Range	50/60 +/- 0.3		
Maximum Charge Current	30A		
Mechanical Specifications			
Protection Degree	IP20		
Dimensions	330/485/135		
Net Weight kg	11	11.5	12
Operation Temperature Range	0C to 45C		



INVERTERS - OFF GRID



GEO-O-3-5

3 - 5 kw

Off grid Solar inverter

Battery Voltage	48		
Battery Type	Lithium\Lead-acid		
Inverter Output			
Rated Power	3kw	3.5kw	5kw
Surge Rating	6kw	10kw	10kw
Waveform	Pure sine wave		
Nominal Output Voltage RMS	220v/230v/240v AC (+/- 10%)		
Output Frequency	50/60 +/- 0.3		
Solar Charger			
Maximum Pv Charge Current	60A	80A	80A
Maximum PV Array Power	4kw	4.5kw	6kw
Number of MPPT trackers/string	1/1		
AC Input			
Voltage	230 VAC		
Selectable Voltage Range	154 - 272 VAC		
ferquency Range	50/60 +/- 0.3		
Maximum Charge Current	60A	80A	100A
Mechanical Specifications			
Protection Degree	IP20		
Dimensions	330/485/135		
Net Weight kg	11	11.5	12
Operation Temperature Range	0C to 45C		

INVERTERS - OFF GRID



GEO-O-6-12

6 - 12 kw

Off grid Solar inverter

Battery Voltage	48					
Battery Type	Lithium\Lead-acid					
Inverter Output						
Rated Power	4kw	5kw	6kw	8kw	10kw	12KW
Surge Rating	12kw	15kw	18kw	24kw	30kw	36KW
Waveform	Pure sine wave					
Nominal Output Voltage RMS	220v/230v/240v AC (+/- 10%)					
Output Frequency	50/60 +/- 0.3					
Solar Charger						
Maximum Pv Charge Current	80A		120A			
Maximum PV Array Power	5000w		7000w			
Number of MPPT trackers/string	1/1		2/1			
AC Input						
Voltage	230 VAC					
Selectable Voltage Range	154 - 272 VAC					
ferquency Range	50/60 +/- 0.3					
Maximum Charge Current	40A	50A	60A	70A	80A	100A
Mechanical Specifications						
Protection Degree	IP20					
Dimensions	360/540/218			380/655/255		
Net Weight kg	38	41	45	64	66	75
Operation Temperature Range	0C to 45C					

INVERTERS - HYBRID



GEO-H-3LV

3 kw

Hybrid Single Phase Low Voltage Solar inverter

Battery Input Data	
Battery Type	Lead-acid or Lithium-ion
Battery Voltage Range (V)	20-30
Max. Charging Current (A)	140
Max. Discharging Current (A)	140
Charging Strategy for Li-ion Battery	Self-adaption to BMS
Number of Battery Input	1
PV String Input Data	
Max. PV Access Power (W)	6000
Max. DC Input Power (W)	4800
Max. DC Input Voltage (V)	500
Start-up Voltage (V)	125
MPPT Voltage Range (V)	150-425
Rated DC Input Voltage (V)	370
Max. Operating PV Input Current (A)	27
Max. Input Short-Circuit Current (A)	18
No. of MPPT Trackers/ No. of String Per MPPT Tracker	1/1
AC Input/Output Data	
Rated AC Input/Output Active Power (W)	3000
Max. AC Input/Output Apparent Power (VA)	3300
Rated AC Input/Output Current (A)	13.7/13.1
Max. AC Input/Output Current (A)	15/14.4
Peak Power (off-grid) (W)	2 times of rated power, 10s
Power Factor Adjustment Range	0.8 leading to 0.8 lagging
Rated Input/Output Voltage/Range (V)	220/380V, 230/400V 0.85Un-1.1Un
Rated Input/Output Grid Frequency/Range(Hz)	50/45-55, 60/55-65
Grid Connection Form	L+N+PE
Total Current Harmonic Distortion THDI	<3% (of nominal power)
DC Component of Grid	<0.5% In
Efficiency	
Max. Efficiency	97.60%
Euro Efficiency	97.00%
MPPT Efficiency	>99%
Equipment Protection	
Surge Protection Level	TYPE II(DC), TYPE II(AC)
Interface	
Communication Interface	RS485/RS232/CAN
Monitor Mode	GPRS/WIFI/Bluetooth/4G/LAN(optional)
General Data	
Operating Temperature Range (°C)	-40 to +60°C, >45°C Derating
Permissible Ambient Humidity	0-100%
Permissible Altitude	3000m
Noise	≤30
Ingress Protection(IP) Rating	IP 65
Inverter Topology	Non-Isolated
Over Voltage Category	OVC II(DC), OVC III(AC)
Cabinet Size (WxHxD mm)	456*750*268.5 (Excluding Connectors and Brackets)
Weight (kg)	17.6
Type of Cooling	Intelligent Air Cooling
Warranty	5 Years/10 Years the Warranty Period Depends the Final Installation Site of Inverter, More Info Please Refer to Warranty Policy
Grid Regulation	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105
Safety / EMC Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2

INVERTERS - HYBRID



GEO-H-3.6-8LV

3.6 - 8 kw

Hybrid Single Phase Low Voltage Solar inverter

Battery Input Data						
Battery Type	Lead-acid or Lithium-ion					
Battery Voltage Range (V)	40-60					
Max. Charging Current (A)	90	120	135	175	190	190
Max. Discharging Current (A)	90	120	135	175	190	190
Charging Strategy for Li-ion Battery	Self-adaption to BMS					
Number of Battery Input	1					
PV String Input Data						
Max. PV Access Power (W)	7200	10000	12000	14000	15200	16000
Max. DC Input Power (W)	5760	8000	9600	11200	12160	12800
Max. DC Input Voltage (V)	500					
Start-up Voltage (V)	125					
MPPT Voltage Range (V)	150-425					
Rated DC Input Voltage (V)	370					
Max. Operating PV Input Current (A)	27+27			48+48		
Max. Input Short-Circuit Current (A)	18+18			32+32		
No. of MPPT Trackers/ No. of String Per MPPT Tracker	2/1+1			2/2+2		
AC Input/Output Data						
Rated AC Input/Output Active Power (W)	3600	5000	6000	7000	7600	8000
Max. AC Input/Output Apparent Power (VA)	3960	5500	6600	7700	8360	8800
Rated AC Input/Output Current (A)	16.4/15.7	22.7/21.7	27.3/26.1	31.9/30.5	34.5/33	36.4/34.8
Max. AC Input/Output Current (A)	18/17.2	25/23.9	30/28.7	35.0/33.5	38/36.3	40/38.3
Peak Power (off-grid) (W)	2 times of rated power, 10s					
Power Factor Adjustment Range	0.8 leading to 0.8 lagging					
Rated Input/Output Voltage/Range (V)	220/380V, 230/400V 0.85Un-1.1Un					
Rated Input/Output Grid Frequency/Range(Hz)	50/45-55, 60/55-65					
Grid Connection Form	L+N+PE					
Total Current Harmonic Distortion THDi	<3% (of nominal power)					
DC Component of Grid	<0.5% In					
Efficiency						
Max. Efficiency	97.60%					
Euro Efficiency	97.00%					
MPPTEfficiency	>99%					
Equipment Protection						
Surge Protection Level	TYPE II(DC), TYPE II(AC)					
Interface						
Communication Interface	RS485/RS232/CAN					
Monitor Mode	GPRS/WIFI/Bluetooth/4G/LAN(optional)					
General Data						
Operating Temperature Range (°C)	-40 to +60°C, >45°C Derating					
Permissible Ambient Humidity	0-100%					
Permissible Altitude	3000m					
Noise	≤30					
Ingress Protection(IP) Rating	IP 65					
Inverter Topology	Non-Isolated					
Over Voltage Category	OVC II(DC), OVC III(AC)					
Cabinet Size (WxHxD mm)	456×750×268.5 (Excluding Connectors and Brackets)					
Weight (kg)	24.9					
Type of Cooling	Intelligent Air Cooling					
Warranty	5 Years/10 Years the Warranty Period Depends the Final Installation Site of Inverter, More Info Please Refer to Warranty Policy					
Grid Regulation	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105					
Safety / EMC Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2					

INVERTERS - HYBRID



GEO-H-7.6-12LV

7.6 - 12 kw

Hybrid Single Phase Low Voltage Solar inverter

Battery Input Data				
Battery Type	Lead-acid or Lithium-ion			
Battery Voltage Range (V)	40-60			
Max. Charging Current (A)	190	190	220	250
Max. Discharging Current (A)	190	190	220	250
Charging Strategy for Li-ion Battery	Self-adaption to BMS			
Number of Battery Input	1			
PV String Input Data				
Max. PV Access Power (W)	15200	16000	20000	24000
Max. DC Input Power (W)	12160	12800	16000	19200
Max. DC Input Voltage (V)	500			
Start-up Voltage (V)	125			
MPPT Voltage Range (V)	150-425			
Rated DC Input Voltage (V)	370			
Max. Operating PV Input Current (A)	26+26		26+26+26	
Max. Input Short-Circuit Current (A)	44+44		44+44+44	
No. of MPPT Trackers/ No. of String Per MPPT Tracker	2/2+2		3/2+2+2	
AC Input/Output Data				
Rated AC Input/Output Active Power (W)	7600	8000	10000	12000
Max. AC Input/Output Apparent Power (VA)	8360	8800	11000	13200
Rated AC Input/Output Current (A)	34.6/33.1	36.4/34.8	45.5/43.5	54.6/52.2
Max. AC Input/Output Current (A)	34.6/33.1	36.4/34.8	45.5/43.5	54.6/52.2
Peak Power (off-grid) (W)	2 times of rated power, 10s			
Power Factor Adjustment Range	0.8 leading to 0.8 lagging			
Rated Input/Output Voltage/Range (V)	220/380V, 230/400V 0.85Un-1.1Un			
Rated Input/Output Grid Frequency/Range(Hz)	50/45-55, 60/55-65			
Grid Connection Form	L+N+PE			
Total Current Harmonic Distortion THDi	<3% (of nominal power)			
DC Component of Grid	<0.5% In			
Efficiency				
Max. Efficiency	97.60%			
Euro Efficiency	97.00%			
MPPT Efficiency	>99%			
Equipment Protection				
Surge Protection Level	TYPE II(DC), TYPE II(AC)			
Interface				
Communication Interface	RS485/RS232/CAN			
Monitor Mode	GPRS/WIFI/Bluetooth/4G/LAN(optional)			
General Data				
Operating Temperature Range (°C)	-40 to +60°C, >45°C Derating			
Permissible Ambient Humidity	0-100%			
Permissible Altitude	3000m			
Noise	≤45			
Ingress Protection(IP) Rating	IP 65			
Inverter Topology	Non-Isolated			
Over Voltage Category	OVC II(DC), OVC III(AC)			
Cabinet Size (WxHxD mm)	456×750×268.5 (Excluding Connectors and Brackets)			
Weight (kg)	35.6			
Type of Cooling	Intelligent Air Cooling			
Warranty	5 Years/10 Years the Warranty Period Depends the Final Installation Site of Inverter, More Info Please Refer to Warranty Policy			
Grid Regulation	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105			
Safety / EMC Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2			



INVERTERS - HYBRID



GEO-H-3-12LV

3 - 12 kw

Hybrid Three Phase Low Voltage Solar inverter

Battery Input Data					
Battery Type	Lead-acid or Lithium-ion				
Battery Voltage Range (V)	40-60				
Max. Charging Current (A)	120	150	190	210	240
Max. Discharging Current (A)	120	150	190	210	240
Charging Strategy forLi-ion Battery	Self-adaption to BMS				
Number of Battery Input	1				
PV String Input Data					
Max. PV Access Power (W)	10000	12000	16000	20000	24000
Max. DC Input Power (W)	8000	9600	12800	16000	19200
Max. DC Input Voltage (V)	800				
Start-up Voltage (V)	160				
MPPT Voltage Range (V)	200-650				
Rated DC Input Voltage (V)	550				
Max. Operating PV Input Current (A)	36+20				
Max. Input Short-Circuit Current (A)	54+30				
No.of MPPT Trackers/ No.of String PerMPPT Tracker	2/2+1				
AC Input/Output Data					
Rated AC Input/Output Active Power (W)	5000	6000	8000	10000	12000
Max. AC Input/Output Apparent Power (VA)	5500	6600	8800	11000	13200
Rated AC Input/Output Current (A)	7.6/7.2	9.1/8.7	12.1/11.6	15.2/14.5	18.2/17.4
Max. AC Input/Output Current (A)	8.4/8	10/9.6	13.4/12.8	16.7/15.9	20/19.1
Peak Power (off-grid) (W)	2 times of rated power, 10s				
Power Factor Adjustment Range	0.8 leading to 0.8 lagging				
Rated Input/Output Voltage/Range (V)	220/380V, 230/400V 0.85Un-1.1Un				
Rated Input/Output Grid Frequency/Range(Hz)	50/45-55, 60/55-65				
Grid Connection Form	3L+N+PE				
Total Current Harmonic Distortion THDi	<3% (of nominal power)				
DC Component of Grid	<0.5% In				
Efficiency					
Max. Efficiency	97.60%				
Euro Efficiency	97.00%				
MPPTEfficiency	>99%				
Equipment Protection					
Surge Protection Level	TYPE II(DC),TYPE II(AC)				
Interface					
Communication Interface	RS485/RS232/CAN				
Monitor Mode	GPRS/WIFI/Bluetooth/4G/LAN(optional)				
General Data					
Operating Temperature Range (°C)	-40 to +60°C, >45°C Derating				
Permissible Ambient Humidity	0-100%				
Permissible Altitude	3000m				
Noise	≤60				
Ingress Protection(IP) Rating	IP 65				
Inverter Topology	Non-Isolated				
Over Voltage Category	OVC II(DC), OVC III(AC)				
Cabinet Size (WxHxD mm)	456×750×268.5 (Excluding Connectors and Brackets)				
Weight (kg)	38				
Type of Cooling	Intelligent Air Cooling				
Warranty	5 Years/10 Years the Warranty Period Depends the Final Installation Site of Inverter, More Info Please Refer to Warranty Policy				
Grid Regulation	IEC 61727, IEC 62116,CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99,VDE-AR-N 4105				
Safety / EMC Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2				

INVERTERS - HYBRID



GEO-H-14-20LV

14 - 20 kw

Hybrid Three Phase Low Voltage Solar inverter

Battery Input Data					
Battery Type	Lead-acid or Lithium-ion				
Battery Voltage Range (V)	40-60				
Max. Charging Current (A)	260	280	300	330	350
Max. Discharging Current (A)	260	280	300	330	350
Charging Strategy for Li-ion Battery	Self-adaption to BMS				
Number of Battery Input	1				
PV String Input Data					
Max. PV Access Power (W)	28000	30000	32000	36000	40000
Max. DC Input Power (W)	22400	24000	25600	28800	32000
Max. DC Input Voltage (V)	800				
Start-up Voltage (V)	160				
MPPT Voltage Range (V)	160-650				
Rated DC Input Voltage (V)	550				
Max. Operating PV Input Current (A)	36+36				
Max. Input Short-Circuit Current (A)	54+54				
No. of MPPT Trackers/ No. of String Per MPPT Tracker	2/2+2				
AC Input/Output Data					
Rated AC Input/Output Active Power (W)	14000	15000	16000	18000	20000
Max. AC Input/Output Apparent Power (VA)	15400	16500	17600	19800	22000
Rated AC Input/Output Current (A)	21.3/20.3	22.8/21.8	24.3/23.2	27.3/26.1	30.4/29
Max. AC Input/Output Current (A)	23.4/22.4	25/24	26.7/25.6	30/28.7	33.4/31.9
Max. Continuous AC Passthrough (grid to load)	70				
Peak Power (off-grid) (W)	2 times of rated power, 10s				
Power Factor Adjustment Range	0.8 leading to 0.8 lagging				
Rated Input/Output Voltage/Range (V)	220/380V, 230/400V 0.85Un-1.1Un				
Rated Input/Output Grid Frequency/Range(Hz)	50/45-55, 60/55-65				
Grid Connection Form	3L+N+PE				
Total Current Harmonic Distortion THDi	<3% (of nominal power)				
DC Component of Grid	<0.5% In				
Efficiency					
Max. Efficiency	97.60%				
Euro Efficiency	97.00%				
MPPT Efficiency	>99%				
Equipment Protection					
Surge Protection Level	TYPE II(DC),TYPE II(AC)				
Interface					
Communication Interface	RS485/RS232/CAN				
Monitor Mode	GPRS/WIFI/Bluetooth/4G/LAN(optional)				
General Data					
Operating Temperature Range (°C)	-40 to +60°C, >45°C Derating				
Permissible Ambient Humidity	0-100%				
Permissible Altitude	3000m				
Noise	≤60				
Ingress Protection(IP) Rating	IP 65				
Inverter Topology	Non-Isolated				
Over Voltage Category	OVC II(DC), OVC III(AC)				
Cabinet Size (W×H×D mm)	456×750×268.5 (Excluding Connectors and Brackets)				
Weight (kg)	50.6				
Type of Cooling	Intelligent Air Cooling				
Warranty	5 Years/10 Years the Warranty Period Depends the Final Installation Site of Inverter, More Info Please Refer to Warranty Policy				
Grid Regulation	IEC 61727, IEC 62116,CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99,VDE-AR-N 4105				
Safety / EMC Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2				

INVERTERS - HYBRID



GEO-H-5-25HV

5 - 25 kw

Hybrid Three Phase High Voltage Solar inverter

Battery Input Data								
Battery Type	Lithium-ion							
Battery Voltage Range(V)	160~700							
Max.Charging Current(A)	30	30			37			50
Max.Discharging Current(A)	30	30			37			50
Charging Strategy for Li-ion Battery	Self-adaption to BMS							
Number of battery input	1							
PV String Input Data								
Max. PV Access Power (W)	10000	12000	16000	20000	24000	30000	40000	50000
Max DC Input Power (W)	8000	9600	12800	16000	19200	24000	32000	40000
Max DC Input Voltage (V)	1000							
Start-up Voltage (V)	180							
MPPT Voltage Range (V)	150~850							
Rated DC Input Voltage(V)	600							700
Max Input Short-Circuit Current (A)	30+30				39+30		39+39	
Max Operating PV Input Current (A)	20+20				26+20		26+26	
No. of MPP Trackers/No. of String Per MPP Tracker	2/1+1				2/2+1		2/2+2	
AC Input/Output Data								
Rated AC Input/Output Active Power (W)	5000	6000	8000	10000	12000	15000	20000	25000
Max AC Input/Output Apparent Power (VA)	5500	6600	8800	11000	13200	16500	22000	27500
Peak Power (off-grid) (W)	1.5 times of rated power, 10s							
Rated AC Input/Output Current (A)	7.6/7.3	9.1/8.7	12.2/11.6	15.2/14.5	18.2/17.4	22.8/21.8	30.4/29	37.9/36.3
Max AC Input/Output Current (A)	8.4/8	10/9.6	13.4/12.8	16.7/16	20/19.2	25/24	33.4/31.9	41.7/39.9
Max Continuous AC Passthrough (grid to load) (A)	40				80			
Rated Input/Output Voltage/Range(V)	220/380V, 230/400V 0.85Un~1.1Un							
Grid Connection Form	3L+N+PE							
Rated Input/Output Grid Frequency/Range	50Hz/45Hz~55Hz 60Hz/55Hz~65Hz							
Power Factor Adjustment Range	0.8 leading to 0.8 lagging							
DC Injection Current	<0.5%In							
Efficiency								
Max Efficiency	97.60%							
Euro Efficiency	97.00%							
MPPT Efficiency	>99%							
Equipment Protection								
Surge Protection Level	TYPE II (DC), TYPE II (AC)							
Interface								
Communication Interface	RS485/RS232/CAN							
Monitor Mode	GPRS/WIFI/Bluetooth/4G/LAN(optional)							
General Data								
Operating Temperature Range	-40 to +60°C, >45°C Derating							
Permissible Ambient Humidity	0~100%							
Permissible Altitude	2000m							
Noise	≤ 55 dB(A)							
Ingress Protection(IP) Rating	IP 65							
Inverter Topology	Non-Isolated							
Over Voltage Category	OVC II (DC), OVC III (AC)							
Cabinet size (W*H*D) [mm]	408*638*237 (Excluding connectors and brackets)							
Weight[kg]	30.5							
Warranty	5 Years/10 Years the Warranty Period Depends the Final Installation Site of Inverter, More Info Please Refer to Warranty Policy							
Type Of Cooling	natural cooling			Intelligent air cooling				
Grid Regulation	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, 699, VDE-AR-N 4105							
Safety EMC/Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2							



LITHIUM BATTERIES

LITHIUM BATTERIES - 24 V



GEO-LFPB-24

100 - 150 - 200 Ah

25.6v Wall Mount LiFePO4 Battery

Model	GEO-LFPB-48100	GEO-LFPB-48150	GEO-LFPB-48200
Usable Capacity	2.5KWH	3.75KWH	5KWH
Nominal Voltage	25.6		
Voltage Range	24-28.8		
MAX.Charge & Discharge Current	100A@30S	150A@30S	200A@30S
Recommend Charge & Discharge Current	≤60A	≤80A	≤80A
MAX. Output Power	2750W	3500W	4000W
Recommend Output Power	1500W	2250W	2500W
DOD	≥95%		
Modules Connection	1-6in parallel		
Communication	CAN&RS485		
Ingress Protection	IP21		
Cycle Life	≥6000@25°C, 80%DOD		
Working Temperature Range	Discharge:-20°C to +65°C, Charge:+0°C to +65C		
Net Weight(KG)	22KG	50KG	50KG
Gross Weight(KG)	26KG	53KG	53KG
Package Dimension(MM)	437*527*243mm	612*562*292MM	612*562*292MM
Product Dimension(MM)	345*430*195 mm	500*450*213MM	500*450*213MM

LITHIUM BATTERIES - 48 V



GEO-LFPB-48

100 - 150 - 200 - 300 Ah

51.2v Wall Mount LiFePO4 Battery

Model	GEO-LFPB-48100	GEO-LFPB-48150	GEO-LFPB-48200	GEO-LFPB-48300
Usable Capacity	5KWH	7.5KWH	10KWH	15KWH
Nominal Voltage	51.2			
Voltage Range	48-57.6			
MAX.Charge & Discharge Current	100A@30S	120A@30S	120A@30S	200A@15S
Recommend Charge & Discharge Current	≤50A	≤80A	≤80A	≤120A
MAX. Output Power	5000W	6000W	6000W	10000W
Recommend Output Power	2500W	4000W	4000W	6000W
DOD	≥95%			
Modules Connection	1-6in parallel			
Communication	CAN&RS485			
Ingress Protection	IP21			
Cycle Life	≥6000@25°C, 80%DOD			
Working Temperature Range	Discharge:-20°C to +65°C, Charge:+0°C to +65C			
Net Weight(KG)	45KG	88.5KG	88.5KG	154KG
Gross Weight(KG)	47.7KG	93.1KG	Gross Weight(KG)	Gross Weight(KG)
Package Dimension(MM)	559*414*203MM	800*545*213MM	800*545*213MM	615x350x955mm
Product Dimension(MM)	667*492*282MM	912*657*292MM	912*657*292MM	718x450x1112mm



GEO-LFPLVS

5 - 25 kwh

51.2V Low Voltage LiFePO4 Stackable Battery

Model

GEO-LFPLVS-5-25

Usable Capacity	5KWH	10KWH	15KWH	20KWH	25KWH
Nominal Voltage	51.2				
Voltage Range	44.8-57.6				
MAX.ChargeCurrent	70A	140A	210A	280A	35A
MAX.Discharge Current	100A	200A	300A	400A	500A
MAX. Output Power	5000W	10000W	15000W	20000W	25000W
Recommend Output Power	2-5KW	3-8KW	5-12KW	6-14KW	8-15KW
DOD	≥95%				
Modules Connection	Stackable up to 5 units				
Communication	CAN&RS485				
Ingress Protection	IP21				
Cycle Life	≥6000@25°C, 80%DOD				
Working Temperature Range	Discharge:-20°C to +65°C, Charge:+0°C to +65°C				
Net Weight(KG)	60KG	108KG	157KG	205KG	255KG
Units NO	1	2	3	4	5
Product Dimension(MM)	640*450*180	640*450*360	640*450*540	640*450*720	640*450*900
Assembly Methods	Stackable				



GEO-LFPHVS

10 - 25 kwh

High Voltage LiFePO4 Stackable Battery

Model

GEO-LFPLVS-5-25

Units NO	4	5	6	7	8	9	10
Usable Capacity	10KWH	12.5KWH	15KWH	17.5KWH	20KWH	22.5KWH	25KWH
Nominal Voltage	204.8V	256V	307.2V	358.4V	409.6V	460.8V	512V
Voltage Range	182.4V-224.64V	228V-280.8V	273.6V-336.96V	319.2V-393.12V	364.8V-449.28V	410.4V-505.44V	456V-561.6V
MAX.Charge & Discharge Current	30A						
Rated Charge & Discharge Current	25A						
Rated Charge & Discharge Power	5.12KW	6.4KW	7.68KW	8.96KW	10.24KW	11.52KW	12.8KW
MAX.Units in Parallel	6 Groups						
DOD	≥95%						
Cooling	Natural						
Communication	CAN&RS485						
Ingress Protection	IP56						
Cycle Life	≥6000@25°C, 80%DOD						
Working Temperature Range	Discharge:-20°C to +65°C, Charge:+0°C to +65°C						
Net Weight(KG)	138KG	168KG	198KG	228KG	258KG	288KG	318KG
Product Dimension(MM)	515*480*770	515*480*895	515*480*540	515*480*1020	515*480*1145	515*480*1270	515*480*1520
	Stackable						





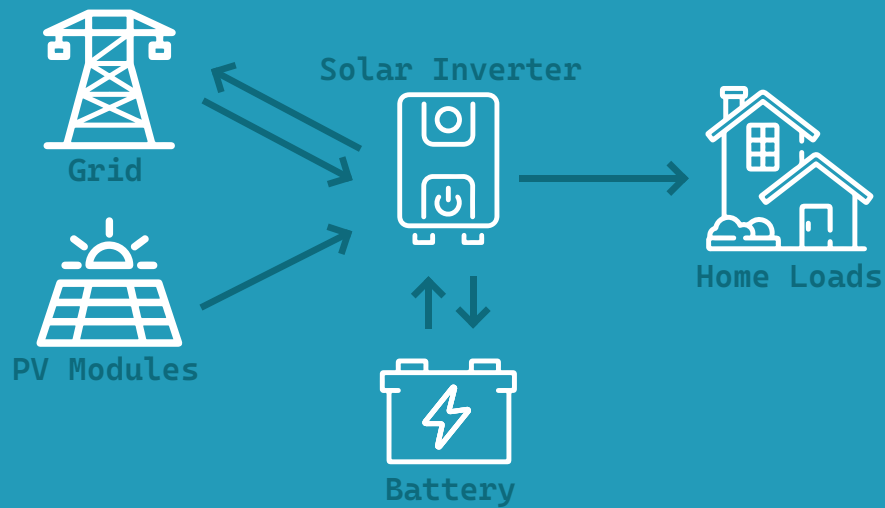
GEO-LFPB-24

100 - 200 Ah

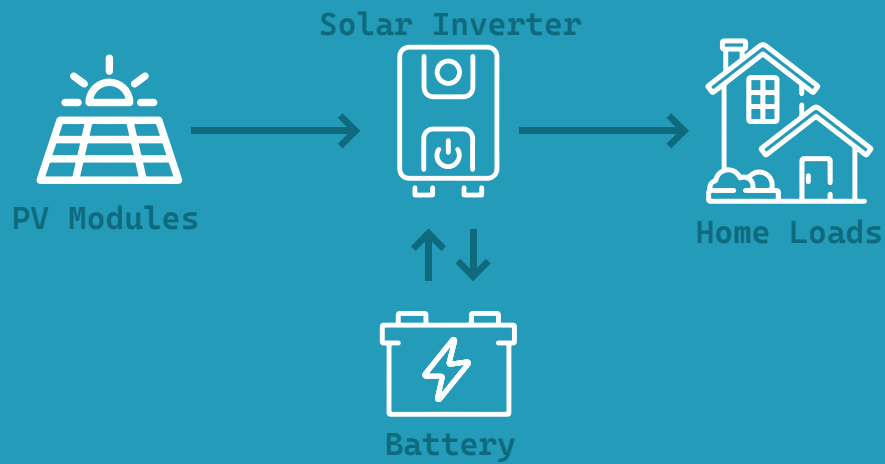
12.8 - 25.6 v LiFePO4 Lead Acid Replacement

Model	GEO-LFPB-12		GEO-LFPB-24	
Usable Capacity	1.28KWH	2.56WH	2.56KWH	5.12KWH
Voltage Per Unit	12.8		25.6	
Charge Voltage Range	14.3-14.6V		28.6-29.2V	
Nominal Capacity	100Ah	200Ah	100Ah	200Ah
MAX. Continous Charge & Discharge Current	100A	200A	100A	200A
Discharge Cut Off Voltage	12V		24V	
DOD			80%	
Ingress Protection			IP65	
Cycle Life			≥3500@25°C, 80%DOD	
Working Temperature Range			Discharge:-20°C to +65°C, Charge:+0°C to +65C	
Net Weight(KG)	11KG		22KG	44KG
Product Dimension(MM)	260*167*210 mm		502*186*243 mm	502*186*243 mm

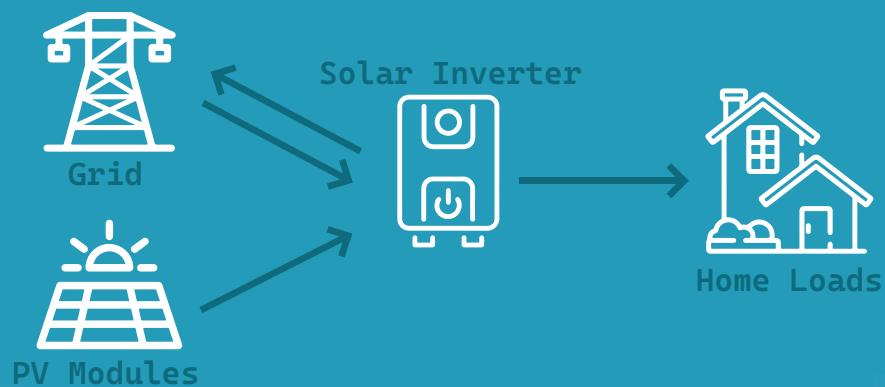
HYBRID SYSTEM



OFF GRID SYSTEM



ON GRID SYSTEM



THANK YOU