Go Green
Solar Power Solutions

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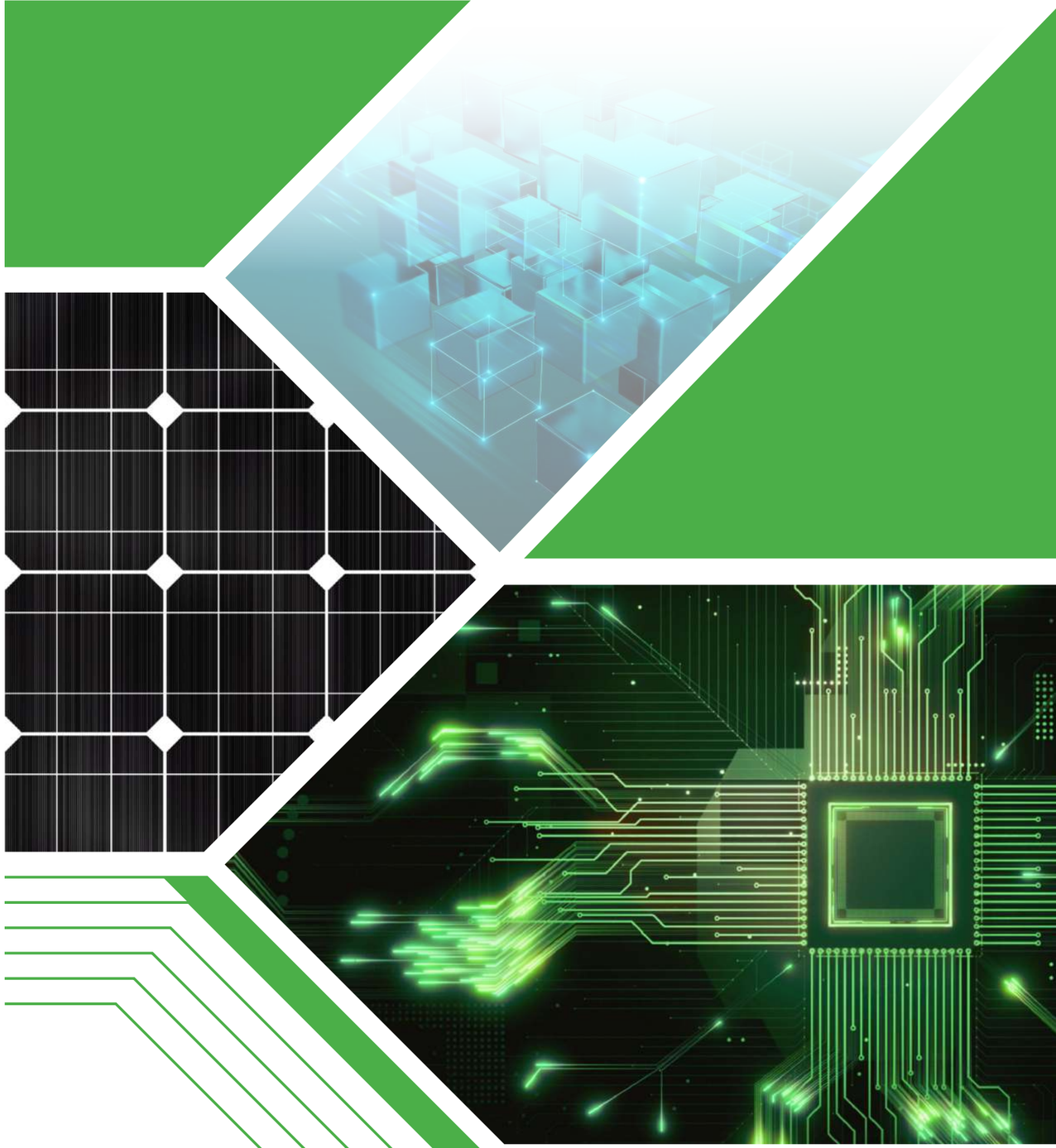

Go Green
Solar Power Solutions

Go Green

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ABOUT US

Go Green Solar Power Solutions factory is headquartered in China, with overseas warehouses in DUBAI, QATAR, PAKISTAN AND SAUDI ARABIA under the management of Joyway Electricals Trading L.L.C.
We specialize in the production of Lithium batteries, utilizing advanced technology to manufacture and assemble products for the Middle East and Africa. Our company also offers OEM services to other businesses. With a large inventory and efficient logistics, we ensure timely delivery of high-quality products to various sectors, including government, hospitality, construction, and more.

GO GREEN - Solar Power Solutions provides hybrid solar energy solutions for remote areas, offering self-sufficient and ecological power sources for both domestic and commercial applications.

Our comprehensive offgrid solutions ensure that we lead the renewable energy movement for a cleaner, greener environment in the MENA regions.

OUR VISION:

To support residential, commercial and industrial and reduced energy costs and emissions in remote areas.

OUR MISSION:

To transform our advanced technology into added value for our customers.

01

HYBRID INVERTERS

MPPT SOLAR INVERTER

GGIV 2500

Pure Sine Wave

Feed-in to Grid

PF
Power Factor 1.0

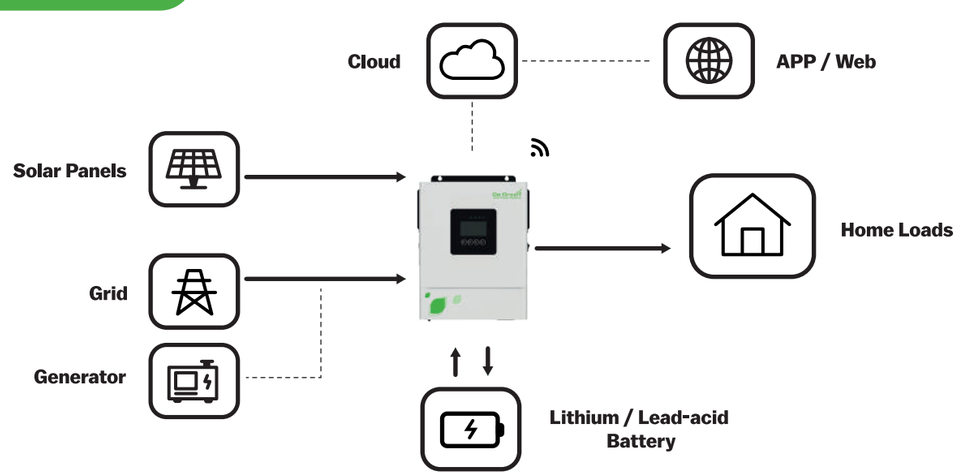
Built-in 100A
Solar Charger

Wide PV Input Voltage
Range 30-400V

Detachable
Dust Cover

WiFi Monitoring
(optional)

SYSTEM DIAGRAM



SPECIFICATIONS

Go Green
Solar Power Solutions

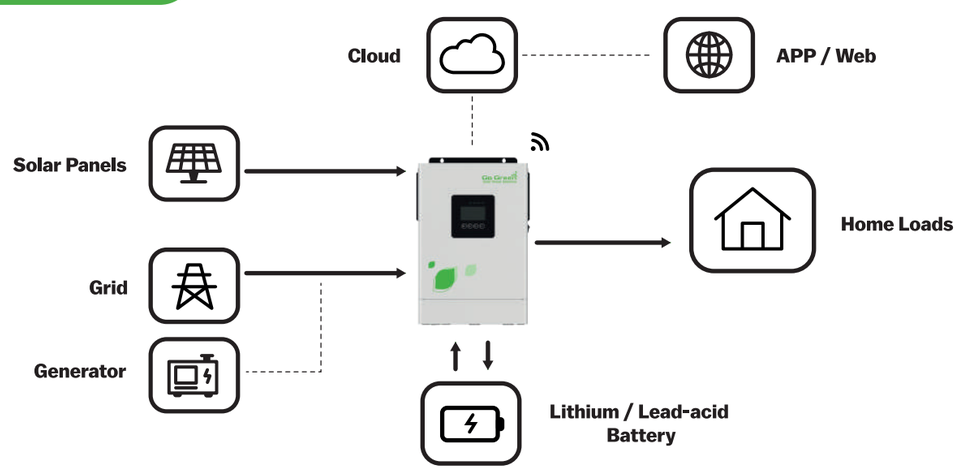
Model	GGIV 2500
AC Input	
Rated Input Voltage	208 / 220 / 230 / 240 V ; L + N +PE
Voltage Range	90~280 V (APP/GEN mode); 170~264 V (UPS mode);
Frequency	50 / 60 Hz (Auto Adaptive)
AC Output	
Rated Capacity	2.5 kVA
Surge Power	4 KVA
Voltage	208 / 220 / 230 / 240 V
Power Factor	1 PF
Frequency	50 / 60 Hz
Switch Time	10ms (APP/UPS mode) / 20ms (GEN mode)
Wave Form	Pure Sine Wave
Overload Capacity	1 min @ 102% - 125% load; 10s @ 125% - 200% load
Max.Efficiency (Battery Mode)	91% @ 12 VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	MPPT
Max. PV input Current /Input Power	18 A / 3000 W
MPPT Range @ operating Voltage	30 - 400 V
Max. PV Open Circuit Voltage	450 V
Max. PV Charge Current	100 A
Max. AC Charge Current	100 A
Max. Charge Current (PV + AC)	100 A
Battery	
Rated Voltage	12 V
Max. Charging Current	100 A
Max. Discharging Current	150 A
Battery Type	Lithium / Lead-acid
Interface	
HMI	LCD
Interface	RS232
Monitoring	WiFi (optional)
General Data	
Ingress Protection	IP21
Operating Temperature	-10 ~ 60°C
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature	-15 ~ 60°C
Net Weight	4.5 kg
Dimensions (H*W*D)	331 * 270 * 100 mm
Max. Operating Altitude	4000m (Derating above 2000)

MPPT SOLAR INVERTER

GGIV 4000

- Built-in 100A Solar Charger
- DUAL Dual AC Output
- Feed-in to Grid
- WiFi Monitoring (optional)
- Lithium Battery Activation
- BMS Support Lithium/ Lead-acid Battery
- Detachable Dust Cover
- Wide PV Input Voltage Range 40-500V

SYSTEM DIAGRAM

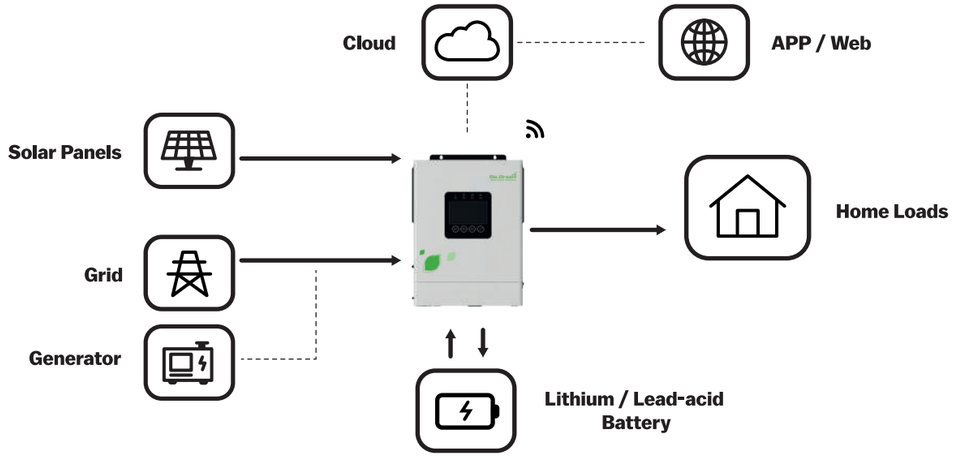


SPECIFICATIONS

Go Green
Solar Power Solutions

Model	GGIV 4000
AC Input	
Rated Input Voltage	208 / 220 / 230 / 240 V ; L + N +PE
Voltage Range	90~280 V (APP/GEN mode); 170~264 V (UPS mode);
Frequency	50 / 60 Hz (Auto Adaptive)
AC Output	
Rated Capacity	4 kVA
Surge Power	7.2 KVA
Voltage	208 / 220 / 230 / 240 V
Power Factor	1 PF
Frequency	50 / 60 Hz
Switch Time	10ms (APP/UPS mode) / 20ms (GEN mode)
Wave Form	Pure Sine Wave
Overload Capacity	1 min @ 102% - 110% load; 10s @ 110% - 200% load
Max.Efficiency (Battery Mode)	92% @ 24VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	MPPT
Max. PV input Current /Input Power	18 A / 5000 W
MPPT Range @ operating Voltage	40 - 450 V
Max. PV Open Circuit Voltage	500 V
Max. PV Charge Current	100 A
Max. AC Charge Current	100 A
Max. Charge Current (PV + AC)	100 A
Battery	
Rated Voltage	24 V
Max. Charging Current	100 A
Max. Discharging Current	150 A
Battery Type	Lithium / Lead-acid
Interface	
HMI	LCD
Interface	RS232 / RS485 / CAN / Parallel Interface
Monitoring	WiFi (optional)
General Data	
Ingress Protection	IP21
Operating Temperature	-10 ~ 60°C
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature	-15 ~ 60°C
Net Weight	6.2 kg
Dimensions (H*W*D)	420 * 284 * 103 mm
Max. Operating Altitude	4000m (Derating above 2000)

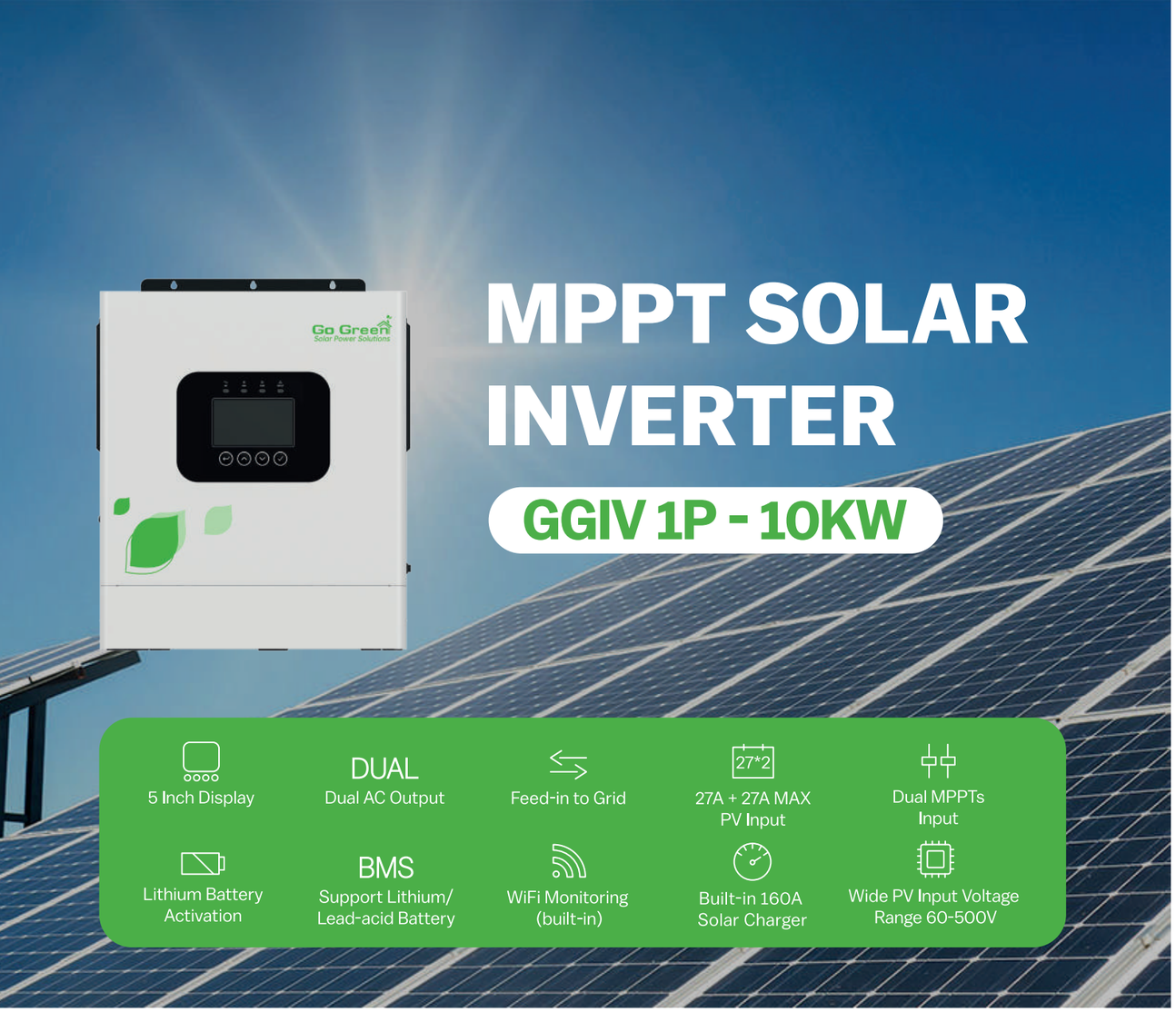
SYSTEM DIAGRAM



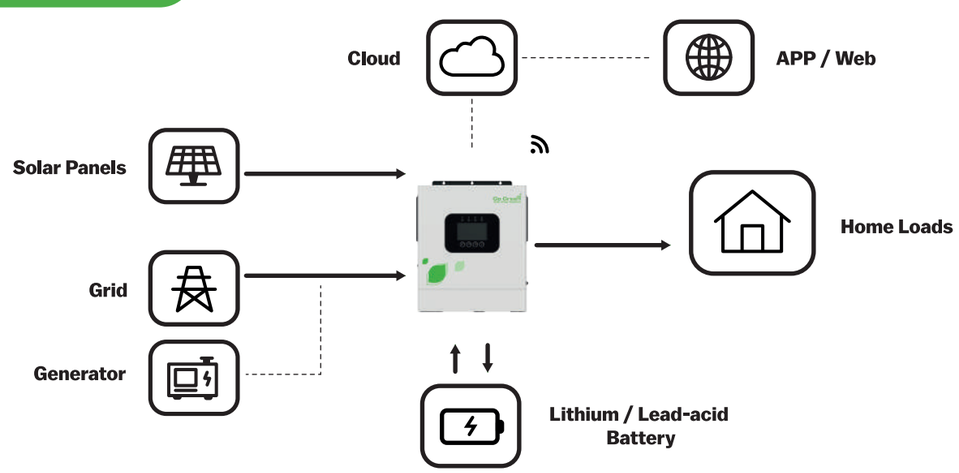
SPECIFICATIONS

Go Green
Solar Power Solutions

Model	GGIV 6500 - PRO
AC Input	
Rated Input Voltage	208 / 220 / 230 / 240 V ; L + N +PE
Voltage Range	90~280 V (APP/GEN mode); 170~264 V (UPS mode);
Frequency	50 / 60 Hz (Auto Adaptive)
AC Output	
Rated Capacity	6.5 kVA
Surge Power	12 KVA
Voltage	208 / 220 / 230 / 240 V
Power Factor	1 PF
Frequency	50 / 60 Hz
Switch Time	10ms (APP/UPS mode) / 20ms (GEN mode)
Wave Form	Pure Sine Wave
Overload Capacity	1 min @ 102% - 120% load; 10s @ 120% - 200% load
Max.Efficiency (Battery Mode)	94% @ 48VDC
Parallel Quantity	9
Charger (PV / AC)	
Solar Charger Type	MPPT
Max. PV input Current /Input Power	27 A / 9000 W
MPPT Range @ operating Voltage	60 - 450 V
Max. PV Open Circuit Voltage	500 V
Max. PV Charge Current	120 A
Max. AC Charge Current	120 A
Max. Charge Current (PV + AC)	120 A
Battery	
Rated Voltage	48 V
Max. Charging Current	120 A
Max. Discharging Current	140 A
Battery Type	Lithium / Lead-acid
Interface	
HMI	5 inch LCD
Interface	RS232 / RS485 / CAN / Parallel Interface
Monitoring	WiFi (built in)
General Data	
Ingress Protection	IP21
Operating Temperature	-10 ~ 60°C
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature	-15 ~ 60°C
Net Weight	8.4 kg
Dimensions (H*W*D)	439 * 336 * 120 mm
Max. Operating Altitude	4000m (Derating above 2000)



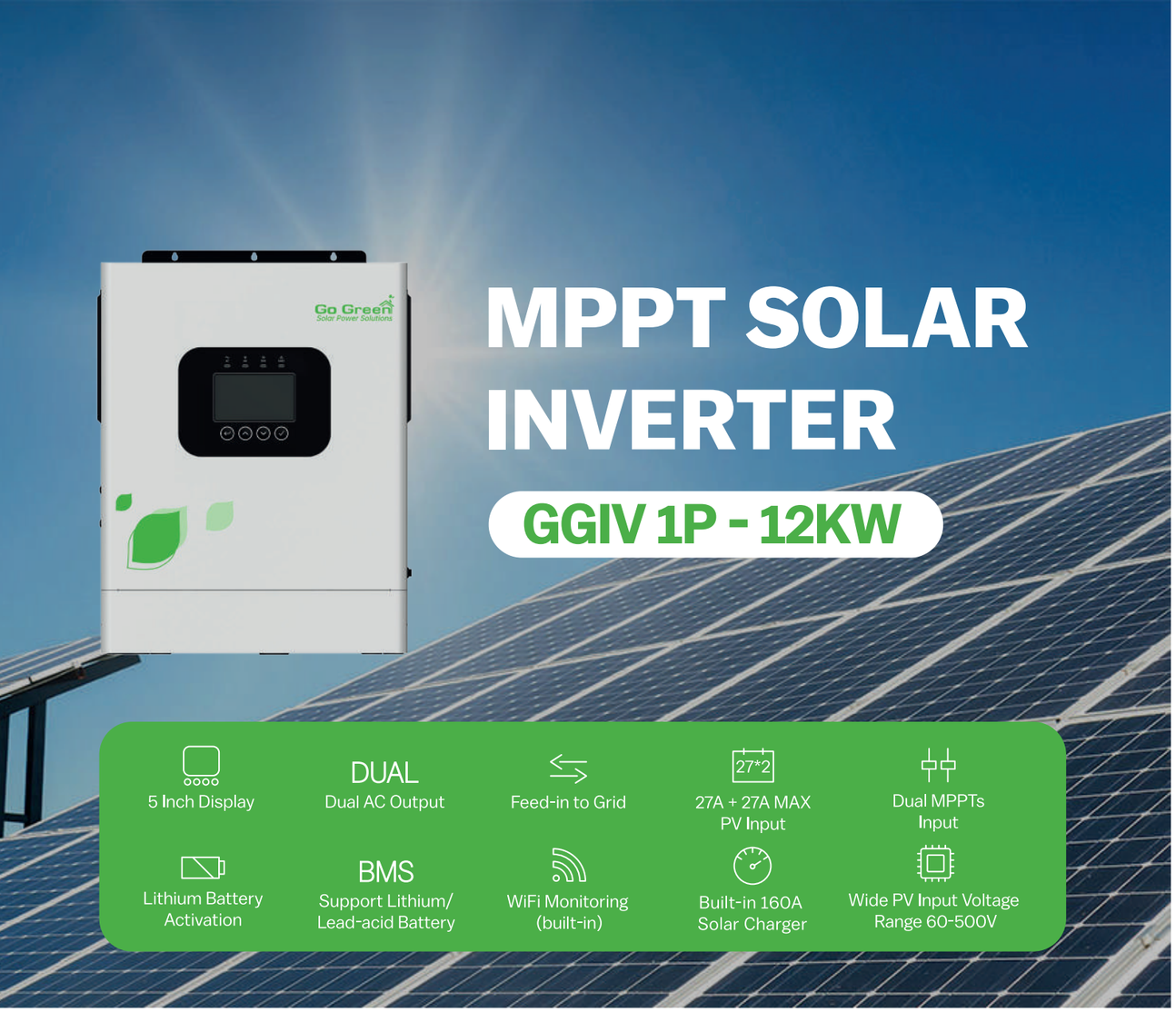
SYSTEM DIAGRAM



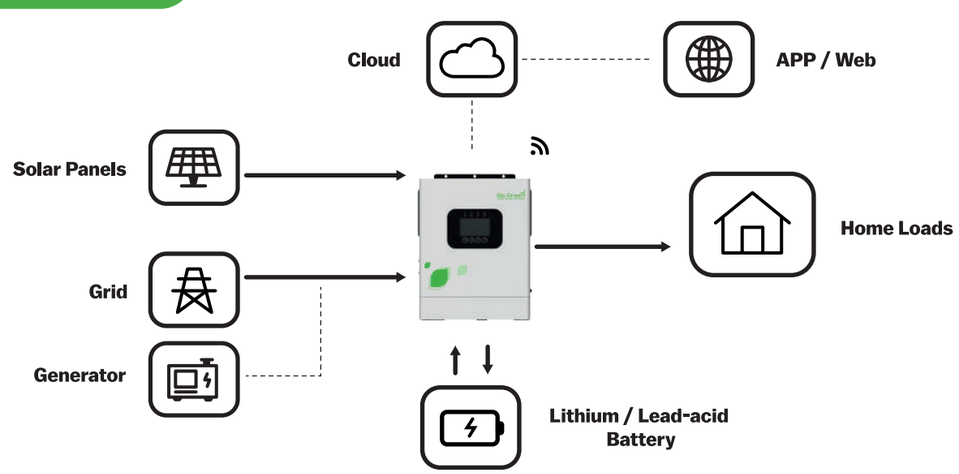
SPECIFICATIONS

Go Green
Solar Power Solutions

Model	GGIV 1P - 10KW
AC Input	
Rated Input Voltage	208 / 220 / 230 / 240 V ; L + N +PE
Voltage Range	90~280 V (APP/GEN mode); 170~264 V (UPS mode);
Frequency	50 / 60 Hz (Auto Adaptive)
AC Output	
Rated Capacity	10 kVA
Surge Power	20 KVA
Voltage	208 / 220 / 230 / 240 V
Power Factor	1 PF
Frequency	50 / 60 Hz
Switch Time	10ms (APP/UPS mode) / 20ms (GEN mode)
Wave Form	Pure Sine Wave
Overload Capacity	1 min @ 102% - 125% load; 10s @ 125% - 200% load
Max.Efficiency (Battery Mode)	94% @ 48VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	dual MPPT's
Max. PV input Current /Input Power	One MPPT: 27A/9KW Two MPPT: 27A/per MPPT's, 15kW/Total
MPPT Range @ operating Voltage	60 - 450 V
Max. PV Open Circuit Voltage	500 V
Max. PV Charge Current	160 A
Max. AC Charge Current	160 A
Max. Charge Current (PV + AC)	160 A
Battery	
Rated Voltage	48 V
Max. Charging Current	160 A
Max. Discharging Current	220 A
Battery Type	Lithium / Lead-acid
Interface	
HMI	LCD
Interface	RS232 / RS485 / CAN
Monitoring	WiFi (built in)
General Data	
Ingress Protection	IP21
Operating Temperature	-10 ~ 60°C
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature	-15 ~ 60°C
Net Weight	15 kg
Dimensions (H*W*D)	495 * 425 * 140 mm
Max. Operating Altitude	4000m (Derating above 2000)



SYSTEM DIAGRAM



SPECIFICATIONS

Go Green
Solar Power Solutions

Model	GGIV 1P - 12KW
AC Input	
Rated Input Voltage	208 / 220 / 230 / 240 V ; L + N +PE
Voltage Range	90~280 V (APP/GEN mode); 170~264 V (UPS mode);
Frequency	50 / 60 Hz (Auto Adaptive)
AC Output	
Rated Capacity	12 kVA
Surge Power	24 KVA
Voltage	208 / 220 / 230 / 240 V
Power Factor	1 PF
Frequency	50 / 60 Hz
Switch Time	10ms (APP/UPS mode) / 20ms (GEN mode)
Wave Form	Pure Sine Wave
Overload Capacity	1 min @ 102% - 125% load; 10s @ 125% - 200% load
Max.Efficiency (Battery Mode)	94% @ 48VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	dual MPPT's
Max. PV input Current /Input Power	One MPPT: 27A/9KW Two MPPT: 27A/per MPPT's, 15kW/Total
MPPT Range @ operating Voltage	60 - 450 V
Max. PV Open Circuit Voltage	500 V
Max. PV Charge Current	160 A
Max. AC Charge Current	160 A
Max. Charge Current (PV + AC)	160 A
Battery	
Rated Voltage	48 V
Max. Charging Current	160 A
Max. Discharging Current	220 A
Battery Type	Lithium / Lead-acid
Interface	
HMI	LCD
Interface	RS232 / RS485 / CAN
Monitoring	WiFi (built in)
General Data	
Ingress Protection	IP21
Operating Temperature	-10 ~ 60°C
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature	-15 ~ 60°C
Net Weight	15.2 kg
Dimensions (H*W*D)	540 * 425 * 140 mm
Max. Operating Altitude	4000m (Derating above 2000)

02

LITHIUM BATTERIES

LIFEPO4 BATTERY

12.8V 100AH

LENGTH: 332 (436) ± 1mm
WIDTH: 172 ± 1mm
HEIGHT: 229 ± 1mm
WEIGHT: 10kg+ 0.1kg

PRODUCT INTRODUCTION

LiFePO4:
Higher Safe Performane

Long Life:
cycle life > 5000 times

Lower
self-discharge rate

Small size, Big
power, easy to carry

Unaffected by high
and low temperatures

Multiple Protection:
Built-in smart BMS

SPECIFICATIONS

Go Green
Solar Power Solutions

Model	12.8V 100AH
General Information	
Cell type	LiFePO4/LFP (Lithium Iron Phosphate Battery)
Rated voltage	12.8 V
Operation voltage range	10.8 V~14.6 V
Rated energy	100 AH
System energy capacity	1.28 kWh
Max continuous discharge current	100 A
Rated energy current	50 A
Rated discharge current	50 A
DOD % @ 25°C	80% DOD
Self-discharge	<3% per Month @ 25°C
Warranty	3 years
Cycle life	>5000 Cycles @25°C 80% DOD
Dimension (W x H x D)	L332 x W172 x H229 mm
Weight	10 kg
Package	Individual Carton Box
System Function	Over-Voltage, Low-voltage, Temperature control, Overload and AC short circuit protection, Surge protection
Environmental Requirements	
Charge Temperature	0~60°C
Discharge Temperature	-20~60°C
Recomended storage Temperature	20~35°C
Cooling concept	Natural cooling
Max operating altitude	3000 m
Ingress protection	IP20
Environment	Indoor
Communication Interfaces	
Display	Button Screen

LIFEPO4 BATTERY

12.8V 200AH

LENGTH: 387 ± 1mm
WIDTH: 206 ± 1mm
HEIGHT: 282 ± 1mm
WEIGHT: 18kg+ 0.1kg

PRODUCT INTRODUCTION

LiFePO4:
Higher Safe Performane

Long Life:
cycle life > 5000 times

Lower
self-discharge rate

Small size, Big
power, easy to carry

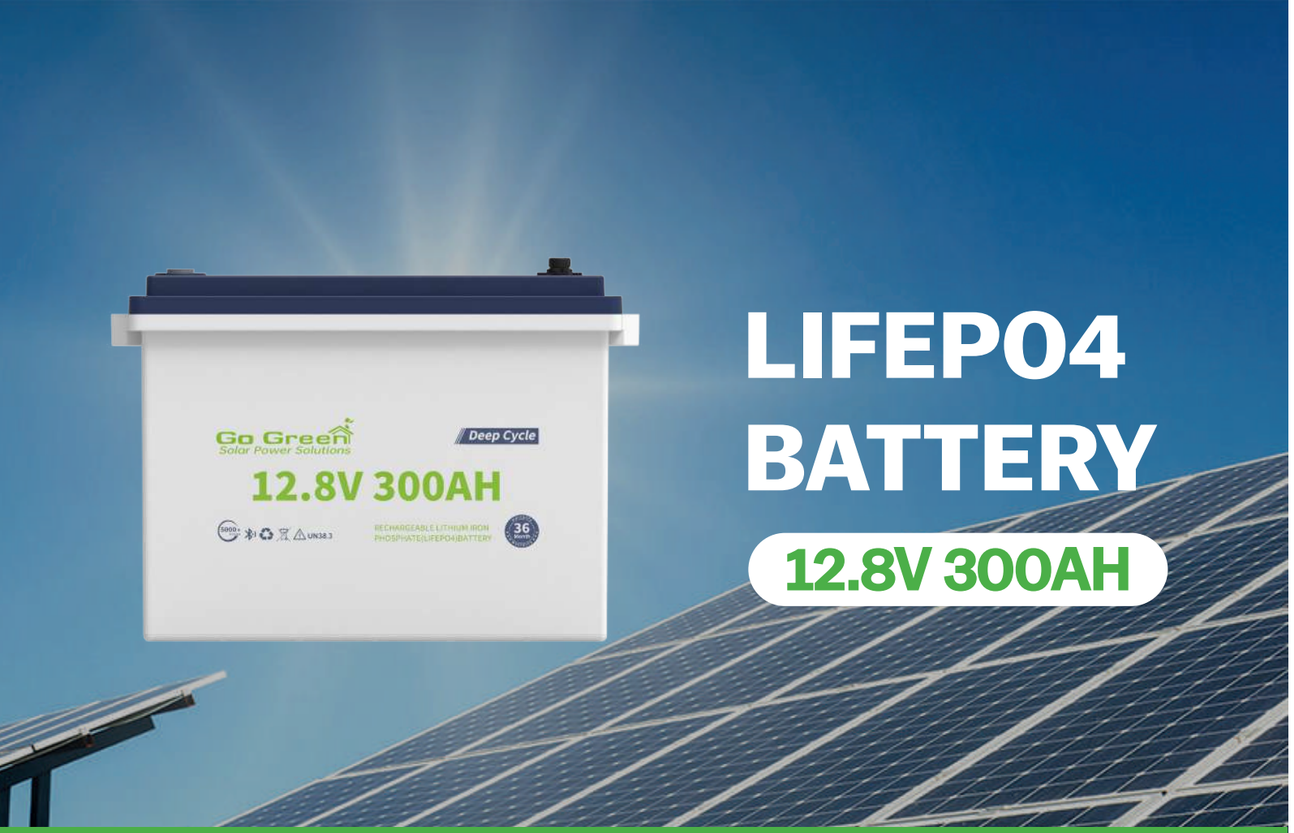
Unaffected by high
and low temperatures

Multiple Protection:
Built-in smart BMS

SPECIFICATIONS

Go Green
Solar Power Solutions

Model	12.8V 200AH
General Information	
Cell type	LiFePO4/LFP (Lithium Iron Phosphate Battery)
Rated voltage	12.8 V
Operation voltage range	10.8 V~14.6 V
Rated energy	200 AH
System energy capacity	2.56 kWh
Max continuous discharge current	150 A
Rated energy current	100 A
Rated discharge current	100 A
DOD % @ 25°C	80% DOD
Self-discharge	<3% per Month @ 25°C
Warranty	3 years
Cycle life	>5000 Cycles @25°C 80% DOD
Dimension (W x H x D)	L387 x W206 x H282 mm
Weight	18 kg
Package	Individual Carton Box
System Function	Over-Voltage, Low-voltage, Temperature control, Overload and AC short circuit protection, Surge protection
Environmental Requirements	
Charge Temperature	0~60°C
Discharge Temperature	-20~60°C
Recomended storage Temperature	20~35°C
Cooling concept	Natural cooling
Max operating altitude	3000 m
Ingress protection	IP20
Environment	Indoor
Communication Interfaces	
Display	Button Screen



LIFEPO4 BATTERY

12.8V 300AH

LENGTH: 387 ± 1mm
WIDTH: 206 ± 1mm
HEIGHT: 282 ± 1mm
WEIGHT: 25kg+ 0.1kg

PRODUCT INTRODUCTION

LiFePO4:
Higher Safe Performane

Long Life:
cycle life > 5000 times

Lower
self-discharge rate

Small size, Big
power, easy to carry

Unaffected by high
and low temperatures

Multiple Protection:
Built-in smart BMS

SPECIFICATIONS

Go Green
Solar Power Solutions

Model	12.8V 300AH
General Information	
Cell type	LiFePO4/LFP (Lithium Iron Phosphate Battery)
Rated voltage	12.8 V
Operation voltage range	10.8 V~14.6 V
Rated energy	300 AH
System energy capacity	3.84 kWh
Max continuous discharge current	200 A
Rated energy current	100 A
Rated discharge current	100 A
DOD % @ 25°C	80% DOD
Self-discharge	<3% per Month @ 25°C
Warranty	3 years
Cycle life	>5000 Cycles @25°C 80% DOD
Dimension (W x H x D)	L387 x W206 x H282 mm
Weight	25 kg
Package	Individual Carton Box
System Function	Over-Voltage, Low-voltage, Temperature control, Overload and AC short circuit protection, Surge protection
Environmental Requirements	
Charge Temperature	0~60°C
Discharge Temperature	-20~60°C
Recomended storage Temperature	20~35°C
Cooling concept	Natural cooling
Max operating altitude	3000 m
Ingress protection	IP20
Environment	Indoor
Communication Interfaces	
Display	Button Screen

LIFEPO4 BATTERY

25.6V 100AH

LENGTH:	387 ± 1mm
WIDTH:	206 ± 1mm
HEIGHT:	282 ± 1mm
WEIGHT:	18kg+ 0.1kg

PRODUCT INTRODUCTION

LiFePO4:
Higher Safe Performane

Long Life:
cycle life > 5000 times

Lower
self-discharge rate

Small size, Big
power, easy to carry

Unaffected by high
and low temperatures

Multiple Protection:
Built-in smart BMS

SPECIFICATIONS

Go Green
Solar Power Solutions

Model	25.6V 100AH
General Information	
Cell type	LiFePO4/LFP (Lithium Iron Phosphate Battery)
Rated voltage	25.6 V
Operation voltage range	21.6 V~29.2 V
Rated energy	100 AH
System energy capacity	2.56 kWh
Max continuous discharge current	100 A
Rated energy current	50 A
Rated discharge current	50 A
DOD % @ 25°C	80% DOD
Self-discharge	<3% per Month @ 25°C
Warranty	3 years
Cycle life	>5000 Cycles @25°C 80% DOD
Dimension (W x H x D)	L387 x W206 x H282 mm
Weight	18 kg
Package	Individual Carton Box
System Function	Over-Voltage, Low-voltage, Temperature control, Overload and AC short circuit protection, Surge protection
Environmental Requirements	
Charge Temperature	0~60°C
Discharge Temperature	-20~60°C
Recomended storage Temperature	20~35°C
Cooling concept	Natural cooling
Max operating altitude	3000 m
Ingress protection	IP20
Environment	Indoor
Communication Interfaces	
Display	Button Screen

03

LITHIUM BATTERIES (BIG)

LIFEPO4 BATTERY

25.6V 200AH

LENGTH: 700 ± 1mm
WIDTH: 110 ± 1mm
HEIGHT: 540 (557) ± 1mm
WEIGHT: 40kg+ 0.1kg

PRODUCT INTRODUCTION

- LiFePO4: Higher Safe Performane
- Long Life: cycle life > 5000 times
- Lower self-discharge rate
- Small size, Big power, easy to carry
- Unaffected by high and low temperatures
- Multiple Protection: Built-in smart BMS

SPECIFICATIONS

Go Green
Solar Power Solutions

Model	25.6V 200AH
General Information	
Cell type	LiFePO4/LFP (Lithium Iron Phosphate Battery)
Rated voltage	25.6 V
Operation voltage range	21.6 V~29.2 V
Rated energy	200 AH
System energy capacity	5 kWh
Max continuous discharge current	150 A
Rated energy current	100 A
Rated discharge current	100 A
DOD % @ 25°C	80% DOD
Self-discharge	<3% per Month @ 25°C
Warranty	3 years
Cycle life	>5000 Cycles @25°C 80% DOD
Dimension (W x H x D)	L700 x W110 x H540 (557) mm
Weight	40 kg
Package	Individual Carton Box
System Function	Over-Voltage, Low-voltage, Temperature control, Overload and AC short circuit protection, Surge protection
Environmental Requirements	
Charge Temperature	0~60°C
Discharge Temperature	-20~60°C
Recomended storage Temperature	20~35°C
Cooling concept	Natural cooling
Max operating altitude	3000 m
Ingress protection	IP20
Environment	Indoor
Communication Interfaces	
Display	Battery Level Indicator Bar

LIFEPO4 BATTERY

12.8V 314AH

LENGTH: 400 (436) ± 1mm
WIDTH: 280 ± 1mm
HEIGHT: 220 ± 1mm
WEIGHT: 243kg+ 0.1kg

PRODUCT INTRODUCTION

LiFePO4:
Higher Safe Performane

Long Life:
cycle life > 5000 times

Lower
self-discharge rate

Small size, Big
power, easy to carry

Unaffected by high
and low temperatures

Multiple Protection:
Built-in smart BMS

SPECIFICATIONS

Go Green
Solar Power Solutions

Model	12.8V 314AH
General Information	
Cell type	LiFePO4/LFP (Lithium Iron Phosphate Battery)
Rated voltage	12.8 V
Operation voltage range	10.8 V~14.6 V
Rated energy	314 AH
System energy capacity	4 kWh
Max continuous discharge current	150 A
Rated energy current	100 A
Rated discharge current	100 A
DOD % @ 25°C	80% DOD
Self-discharge	<3% per Month @ 25°C
Warranty	3 years
Cycle life	>5000 Cycles @25°C 80% DOD
Dimension (W x H x D)	L400 (436) x W280 x H220 mm
Weight	28 kg
Package	Individual Carton Box
System Function	Over-Voltage, Low-voltage, Temperature control, Overload and AC short circuit protection, Surge protection
Environmental Requirements	
Charge Temperature	0~60°C
Discharge Temperature	-20~60°C
Recomended storage Temperature	20~35°C
Cooling concept	Natural cooling
Max operating altitude	3000 m
Ingress protection	IP20
Environment	Indoor
Communication Interfaces	
Display	Battery Level Indicator Bar

LIFEPO4 BATTERY

GGESS 25.6-8KWH

LENGTH: 420 ± 1mm
WIDTH: 270 ± 1mm
HEIGHT: 570(587) ± 1mm
WEIGHT: 62kg + 0.1kg

PRODUCT INTRODUCTION

- Natural Cooling System
- 5 Years Warranty
- IP20 Rating Triple Hardware Protection
- Reliable LFP Cells
- CANbus Standard Connection
- Cycle Life > 6000 Times
- Smart BMS System
- High Inverter Commpatibility

SPECIFICATIONS

Go Green
Solar Power Solutions

Model	GGESS - 25.6-8KWH
General Information	
Cell type	LiFePO4/LFP (Lithium Iron Phosphate Battery)
Rated voltage	25.6 V
Operation voltage range	21.6 V~ 29.2 V
Rated energy	314 AH
System energy capacity	8 kWh
Max continuous discharge current	200A
Rated energy current	150 A
Rated discharge current	150 A
DOD % @ 25°C	80% DOD
Self-discharge	<3% per Month @ 25°C
Warranty	5 years
Cycle life	>6000 Cycles @25°C 80% DOD
Dimension (W x H x D)	L400 x W270 x H570 (587) mm
Package	Individual Wooden Box
System Function	Over-charge protection; over-discharge protection; short-circuit protection; over-voltage protection; under-voltage protection; over-current protection; over-temperature protection; state of charge display; anti-surge protection; smart BMS with First level protection, Second level protection and Third level protection; and Circuit Breaker protection
Environmental Requirements	
Charge Temperature	0~60°C
Discharge Temperature	-20~60°C
Recomended storage Temperature	20~35°C
Cooling concept	Natural cooling
Max operating altitude	3000 m
Ingress protection	IP20
Environment	Indoor
Installation type	Ground (against the wall)
Communication Interfaces	
Display	LED Strip Light (L 255 * W 20 mm)

LIFEPO4 BATTERY

GGESS 51.2-8KWH

LENGTH: 420 ± 1mm
WIDTH: 190 ± 1mm
HEIGHT: 660(667) ± 1mm
WEIGHT: 60kg + 0.1kg

PRODUCT INTRODUCTION

- Natural Cooling System
- 5 Years Warranty
- IP20 Rating Triple Hardware Protection
- Reliable LFP Cells
- CANbus Standard Connection
- Cycle Life > 6000 Times
- Smart BMS System
- High Inverter Commpatibility

SPECIFICATIONS

Go Green
Solar Power Solutions

Model	GGESS - 51.2-8KWH
General Information	
Cell type	LiFePO4/LFP (Lithium Iron Phosphate Battery)
Rated voltage	51.2 V
Operation voltage range	43.2 V~58.4 V
Rated energy	115 AH
System energy capacity	8 kWh
Max continuous discharge current	150 A
Rated energy current	80 A
Rated discharge current	80 A
DOD % @ 25°C	80% DOD
Self-discharge	<3% per Month @ 25°C
Warranty	5 years
Cycle life	>6000 Cycles @25°C 80% DOD
Dimension (W x H x D)	L420 x W190 x H660 (677) mm
Package	Individual Wooden Box
System Function	Over-charge protection; over-discharge protection; short-circuit protection; over-voltage protection; under-voltage protection; over-current protection; over-temperature protection; state of charge display; anti-surge protection; smart BMS with First level protection, Second level protection and Third level protection; and Circuit Breaker protection
Environmental Requirements	
Charge Temperature	0~60°C
Discharge Temperature	-20~60°C
Recomended storage Temperature	20~35°C
Cooling concept	Natural cooling
Max operating altitude	3000 m
Ingress protection	IP20
Environment	Indoor
Installation type	Ground (against the wall)
Communication Interfaces	
Display	LED Strip Light (L 255 * W 20 mm)

LIFEPO4 BATTERY

GGESS 51.2-10KWH

LENGTH: 630 ± 1mm
WIDTH: 145 ± 1mm
HEIGHT: 720(737) ± 1mm
WEIGHT: 90kg + 0.1kg

PRODUCT INTRODUCTION

- Natural Cooling System
- 5 Years Warranty
- IP20 Rating Triple Hardware Protection
- Reliable LFP Cells
- CANbus Standard Connection
- Cycle Life > 6000 Times
- Smart BMS System
- High Inverter Commpatibility

SPECIFICATIONS

Go Green
Solar Power Solutions

Model	GGESS - 51.2-10KWH
General Information	
Cell type	LiFePO4/LFP (Lithium Iron Phosphate Battery)
Rated voltage	51.2 V
Operation voltage range	43.2 V~58.4 V
Rated energy	200 AH
System energy capacity	10 kWh
Max continuous discharge current	150 A
Rated energy current	80 A
Rated discharge current	80 A
DOD % @ 25°C	80% DOD
Self-discharge	<3% per Month @ 25°C
Warranty	5 years
Cycle life	>6000 Cycles @25°C 80% DOD
Dimension (W x H x D)	L630 x W145 x H720 (737) mm
Package	Individual Wooden Box
System Function	Over-charge protection; over-discharge protection; short-circuit protection; over-voltage protection; under-voltage protection; over-current protection; over-temperature protection; state of charge display; anti-surge protection; smart BMS with First level protection, Second level protection and Third level protection; and Circuit Breaker protection
Environmental Requirements	
Charge Temperature	0~60°C
Discharge Temperature	-20~60°C
Recomended storage Temperature	20~35°C
Cooling concept	Natural cooling
Max operating altitude	3000 m
Ingress protection	IP20
Environment	Indoor
Installation type	Ground (against the wall)
Communication Interfaces	
Display	LED Strip Light (L 255 * W 20 mm)

LENGTH: 450 ± 1mm
WIDTH: 270 ± 1mm
HEIGHT: 810(881) ± 1mm
WEIGHT: 124kg + 0.1kg

PRODUCT INTRODUCTION

- Natural Cooling System
- 5 Years Warranty
- IP20 Rating Triple Hardware Protection
- Reliable LFP Cells
- CANbus Standard Connection
- Cycle Life > 6000 Times
- Smart BMS System
- High Inverter Commpatibility

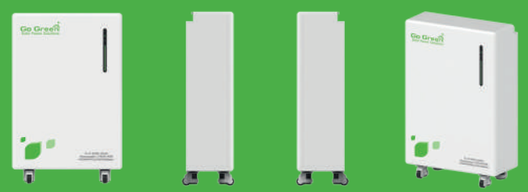
SPECIFICATIONS

Go Green
Solar Power Solutions

Model	GGESS - 51.2-16KWH
General Information	
Cell type	LiFePO4/LFP (Lithium Iron Phosphate Battery)
Rated voltage	51.2 V
Operation voltage range	43.2 V~58.4 V
Rated energy	314 AH
System energy capacity	16 kWh
Max continuous discharge current	200 A
Rated energy current	150 A
Rated discharge current	150 A
DOD % @ 25°C	80% DOD
Self-discharge	<3% per Month @ 25°C
Warranty	5 years
Cycle life	>6000 Cycles @25°C 80% DOD
Dimension (W x H x D)	L450 x W270 x H810 (881) mm
Package	Individual Wooden Box
System Function	Over-charge protection; over-discharge protection; short-circuit protection; over-voltage protection; under-voltage protection; over-current protection; over-temperature protection; state of charge display; anti-surge protection; smart BMS with First level protection, Second level protection and Third level protection; and Circuit Breaker protection
Environmental Requirements	
Charge Temperature	0~60°C
Discharge Temperature	-20~60°C
Recomended storage Temperature	20~35°C
Cooling concept	Natural cooling
Max operating altitude	3000 m
Ingress protection	IP20
Environment	Indoor
Installation type	Ground (against the wall)
Communication Interfaces	
Display	LED Strip Light (L 255 * W 20 mm)

LIFEPO4 BATTERY

GGESS 51.2-32KWH



LENGTH: 640± 1mm
WIDTH: 270 ± 1mm
HEIGHT: 910(992) ± 1mm
WEIGHT: 243kg+ 0.1kg

PRODUCT INTRODUCTION

- Natural Cooling System
- 5 Years Warranty
- IP20 Rating Triple Hardware Protection
- Reliable LFP Cells
- CANbus Standard Connection
- Cycle Life > 6000 Times
- Smart BMS System
- High Inverter Commpatibility

SPECIFICATIONS

Go Green
Solar Power Solutions

Model	GGESS - 51.2-32KWH
General Information	
Cell type	LiFePO4/LFP (Lithium Iron Phosphate Battery)
Rated voltage	51.2 V
Operation voltage range	43.2 V~58.4 V
Rated energy	628 AH
System energy capacity	32 kWh
Max continuous discharge current	200 A
Rated energy current	150 A
Rated discharge current	150 A
DOD % @ 25°C	80% DOD
Self-discharge	<3% per Month @ 25°C
Warranty	5 years
Cycle life	>6000 Cycles @25°C 80% DOD
Dimension (W x H x D)	L640 x W270 x H910 (992) mm
Package	Individual Wooden Box
System Function	Over-charge protection; over-discharge protection; short-circuit protection; over-voltage protection; under-voltage protection; over-current protection; over-temperature protection; state of charge display; anti-surge protection; smart BMS with First level protection, Second level protection and Third level protection; and Circuit Breaker protection
Environmental Requirements	
Charge Temperature	0~60°C
Discharge Temperature	-20~60°C
Recomended storage Temperature	20~35°C
Cooling concept	Natural cooling
Max operating altitude	3000 m
Ingress protection	IP20
Environment	Indoor
Installation type	Ground (against the wall)
Communication Interfaces	
Display	LED Strip Light (L 255 * W 20 mm)

04

ENERGY STORAGE SOLUTIONS

LOW VOLTAGE BATTERY SYSTEMS

GGESS 64KWH

LENGTH: 858.5 ± 1mm
WIDTH: 445 ± 1mm
HEIGHT: 294 ± 1mm
WEIGHT: 109.6kg+ 0.1kg

LENGTH: 858.5 ± 1mm
WIDTH: 445 ± 1mm
HEIGHT: 1337.5 ± 1mm
WEIGHT: 450.6kg+ 0.1kg

PRODUCT INTRODUCTION

- Flexible Adaptibility
- High Efficiency
- Safe and Reliable
- Easy Installation

SPECIFICATIONS

Go Green Solar Power Solutions

Model	GGESS-64 KWH
General Information	
Battery System	GGESS - 64KWH
Cell Connection Type	1P 16s * 4P
Module Quantity	4
Rated Voltage	51.2 V
Charging and Discharging	≤ 200 A
Dimension (W x H x D)	L848.5 x W445 x H1337 mm
Net. Weight	5mm 450kg
Battery Module	
Battery Model/Single	GGESS - 64KWH - U
Cell Type	LiFePO4 / LFP (Lithium Iron Phosphate Battery)
Scalability	Max. 4pcs in parallel
Rated Voltage	51.2 V
Operation Voltage Range	43.2V~58.4V
Rated Energy	314 AH
System Energy Capacity	16 kWh
Max Continuous Discarging Current	200 A
Rated Charge Current	150 A
Rated Discharge Current	150 A
DOD % @ 25°C	80% DOD
Self-discharge	< 3% per Month @ 25°C
Cycle Life	>6000 Cycle @ 24°C 80% DOD
Warranty	5 years
Dimension (W x H x D)	L848 x W445 x H294 mm
Net. Weight	109.6 kg
Package	Individual Wooden Box
System Function	Over-charge protection; over-discharge protection; short-circuit protection; over-voltage protection; under-voltage protection; over-current protection; over-temperature protection; state of charge display; anti-surge protection; smart BMS with First level protection, Second level protection and Third level protection; and Circuit Breaker protection
Environmental Requirements	
Charge Temperature	0~60°C
Recommended Temperature	-20~60°C
Storage Temperature	20~35°C
Cooling Concept	Natural cooling
Max. Operating Altitude	3000 m
Installation Type	Rack-mounted
Ingress Protection	IP20
Environment	Indoor
Communication Interfaces	
Display PACE BMS Communication	Button Screen
Interfaces	RS485
Standard	
Hazardous Material	Class 9
Classificaion Transport	UN38.3
Testing Requirement	Class 1
Protection Class Certifications	CE/IEC 6261

HIGH VOLTAGE BATTERY SYSTEMS

GGESS-126 KWH-U

1) Ultra-large Capacity & Long-lasting Power Supply The total capacity of a single system reaches 126 kWh, composed of 7 PCS 18 kWh battery packs connected in series, which can meet the emergency power demand of a household for several days.

2) Stackable Design for Flexible Capacity Expansion Adopting a modular high-voltage stacked architecture, the system features standardized 18 kWh battery packs and supports on-demand capacity adjustment with a flexible combination ranging from 1 to 7 packs.

3) High-voltage Architecture for High Efficiency & Energy Conservation Equipped with a dedicated high-voltage box, the system delivers higher operational efficiency and minimizes power loss during energy transmission. Compared with low-voltage energy storage systems, it significantly reduces cable heating issues, achieves remarkable energy-saving results, and lowers long-term operation and maintenance costs simultaneously.

4) Easy Installation & Space-saving Design The modular battery packs feature a regular shape, and the stackable installation method requires no large footprint. With the integrated design of the high-voltage box, the complexity of wiring layout is reduced, enabling professional technicians to complete installation and commissioning efficiently.

PRODUCT INTRODUCTION

High Voltage | Easy Installation | High Efficiency | Expandable System | 90% DOD

SPECIFICATIONS

Go Green Solar Power Solutions

Model	GGESS - 126 KWH- U
General Information	
Module Quantity	7 Pcs
Cell Connection Type	1P 18S x 7S
Rated Capacity	126 kWh
Rated Voltage	403.2 V
Operation Voltage Range	340.2V~459.9V
Net. Weight	910 Kg
Dimension (W x H x D)	L848.5 x W445 x H2120 mm
Battery Module	
Battery type	LiFePO4 / LFP (Lithium Iron Phosphate Battery)
Cell Connection Type	1P 18S
Module Capacity	314 AH
Module Voltage	57.6 V
Rated Energy	18.08 kWh
Cycle Life (90% DOD)	≥ 6000 cycle @ 25°C, 0.5C charging and discharging, battery cell attenuates to 70% of initial capacity under the 90% DOD operation
Operation Temperature	-30~60°C
Storage Temperature	0°C - 55°C, it is necessary to ensure that the storage SOC is between 30% and 50%, and if the storage time exceeds 6 months, it needs to be charged and discharged
Humidity	≤ 85%
Net. Weight	128.5 kg
Dimension (W x H x D)	L848.5 x W445 x H294 mm
Environmental Requirements	
Battery Roundtrip Efficiency	95%
Charge Temperature Range	0~60°C
Discharge Temperature Range	-20~60°C
Display	Touch Screen
Installation Type	Rack-mounted
Relative Humidity	5~85% (non-condensing)
Max. Operating Altitude	3000 m
Ingress Protection	IP20
Interfaces	CAN/RS485
Environment	Indoor
Transport Testing Requirement	UN38.3

INDUSTRIAL & COMMERCIAL ESS SOLUTIONS

AIR-COOLED 241 KWH

Product Overview:

Adopting the "All In One" designconcept, the battery pack, battery management system BMS, energy management system EMS, energy storage inverter PCS temperature control system and fire protection system are integrated into one cabinet, forming a standard integrated plug and play modular energy storage system.

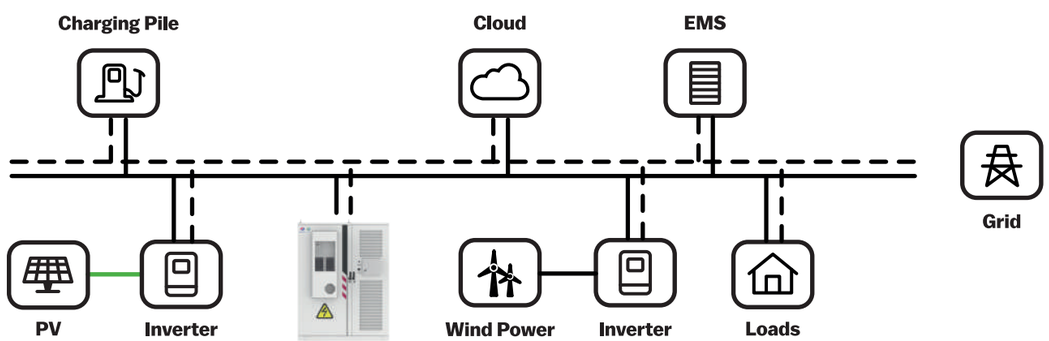
Demands:

Power rationing, high peak rates, demand charges, capacity shortage, costly transformer upgrades, spatial constraint, etc.

PRODUCT INTRODUCTION

Product Advantages:

- **Fully Functional:** Supports remote and local control, accepts status and fault information anytime and anywhere with on/of grid
- **Safe & Reliable:** Built in smoke detector, temperature sensor, temperature control, fire protection, water immersion system, real time monitoring ofthe status inside the box, able to suppress or control unexpected situations in the first time can be directly connected to low voltage
- **Easy To Connect:** AC380 three-phase four wire output.
- **Easy Installation:** All devices are integrated into the cabinet and only connect external wiring harness on site, no need secondary assembly
- **Convenient Transportation:** Supports transportation with battery modules



SPECIFICATIONS

Go Green
Solar Power Solutions

Model	Air-cooled 241 kWh
Battery Rated Energy	241 kWh
Battery Rated Voltage	768 V
Battery Voltage Range	672 V ~ 864 V
Battery Type	LFP
Cells Connection Type	1P 16S * 15S
PV (MPPT) Rated Power	150 kW
PV (MPPT) Voltage Range	200 - 600 V
Inverter Rated Output AC Power	100 kW
Rated AC Voltage	230/400
Rated AC Frequency	50/60 Hz
Power Factor	-1 Leading + 1 Lagging
IP Level	IP 55
Display	LCD Touch Screen
Noise	< 75dB
Operation Temperature	-25~60°C
Cooling Concept	Air Cooling
Max. Operating Altitude	Reduce the rating energy beyond 3000m
EMS Communication	Ethernet / 485
BMS Communication	CAN / 485
Dimension (W x H x D)	1800 x 1366 x 2319 mm
Weight	2.9 T

05

OUR PROJECTS

OUR PROJECTS

NEXUS ABU DHABI

Roof Parking system

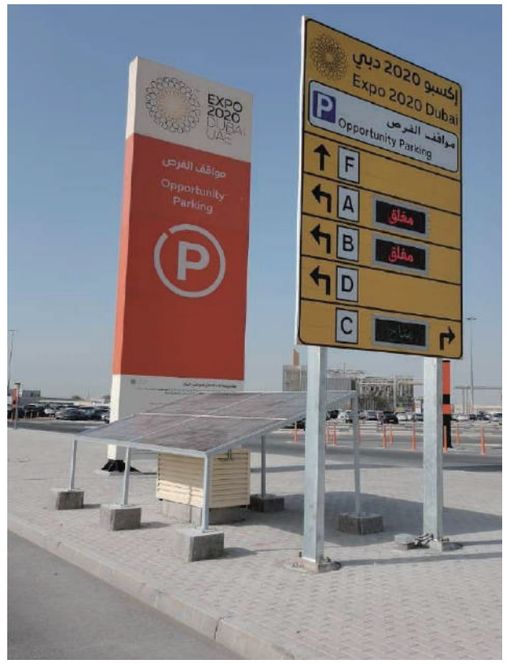
120kw/420 kwh

roof parking for

construction site

OUR PROJECTS

Go Green
Solar Power Solutions



Expo 2020 -Dubai

Supply and installation

Parking Solar Power System

Ajman fish market

24 KW/180 KWH

OUR PROJECTS

Mathaq cafe

12 KW/ 32 KWH

Sajja Joyway warehouse

14 KW/48KWH

OUR PROJECTS

Farm Storage Container

Abu Dhabi

Off Grid

Solar Solution for Farm

Department of Economic

Development-Ajman

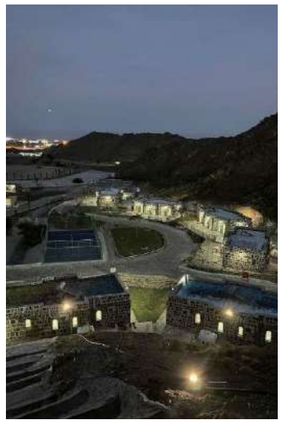
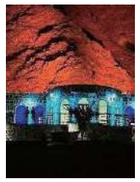
Supply of solar lights

(Solar Peach Light)

OUR PROJECTS

Dibba Mountain Park
Fujairah
Supply and installation
(Solar Peach Lights &
Garden Lights)




Residential
Al Warqa, Dubai
Solar Parking Shed




OUR PROJECTS

Go Green
Solar Power Solutions





Mohammad Bin Hamad
Al- Sharqi Boy's School
Fujairah
Supply of solar lights
(Solar Street Lights)

Sustainable City
Sharjah
Supply of solar lights
(Solar Street Lights)




OUR PROJECTS

Du Telecom

Telecom Tower

Supply and Installation

Of Hybrid Inverter

Solar Pump Back Up

Mikoko - Umm Al Quwain

Supply and Installation

Off Gird Solar Solution

OUR MAJOR CLIENTS

Government of Ajman | Department of Economic Development

بلدية الفجيرة
FUJAIRAH MUNICIPALITY
تضمن سلامة الغذاء و المياه في الإمارة
Ensures the Safety of Food and water in the Emirate

هيئة الشارقة للآثار
Sharjah Archaeology Authority

مدينة الشارقة المستدامة
SHARJAH SUSTAINABLE CITY

إكسبو 2020
دبي، الإمارات العربية المتحدة
DUBAI UNITED ARAB EMIRATES

EMAAR
COMMUNITY MANAGEMENT

DDCG
DEC DEC CONSTRUCTION GROUP

Dibba Mountain Park

نزرع للغد
ICBA
AGRICULTURE FOR TOMORROW

ELITE
AGRO PROJECTS

du

FURR BALLS

Go Green
Solar Power Solutions

"Go Green Solar Power Solutions, illuminating your world with sustainable energy solutions for a greener tomorrow."