



SCAN QR CODE

AUTOMATIC VOLTAGE REGULATOR | INVERTER | UPS
CONVERTER | SOLAR SYSTEM



FOSHAN KTAC TECHNOLOGY CO.,LTD

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SOLAR SYSTEM

www.scientekpower.com

ABOUT US

COMPANY PROFILE

Power is a fundamental part of our world, Ironically, we don't notice it unless it has problem. Since 2007, KTAC has been dedicated and specializing in research, design, and manufacture of power supply solutions and products against various power supply problems such as power breakouts, fluctuation, power outage, sags, spikes, surges, transient etc. Located in Foshan, the power supply hub of China, KATC holds three factories with more than 8000 square meters production area, 8 production lines, more than 100 workers, with our facility and a highly professional and motivated team of engineering, manufacturing, quality assurance, materials management and sales personnel, KTAC provide the following products and solutions:

- Power inverter
- Power transformer
- Battery Charger
- UPS power supply
- Solar system
- Line conditioner
- Solar charge controller
- Switching power supply
- Automatic voltage stabiliser



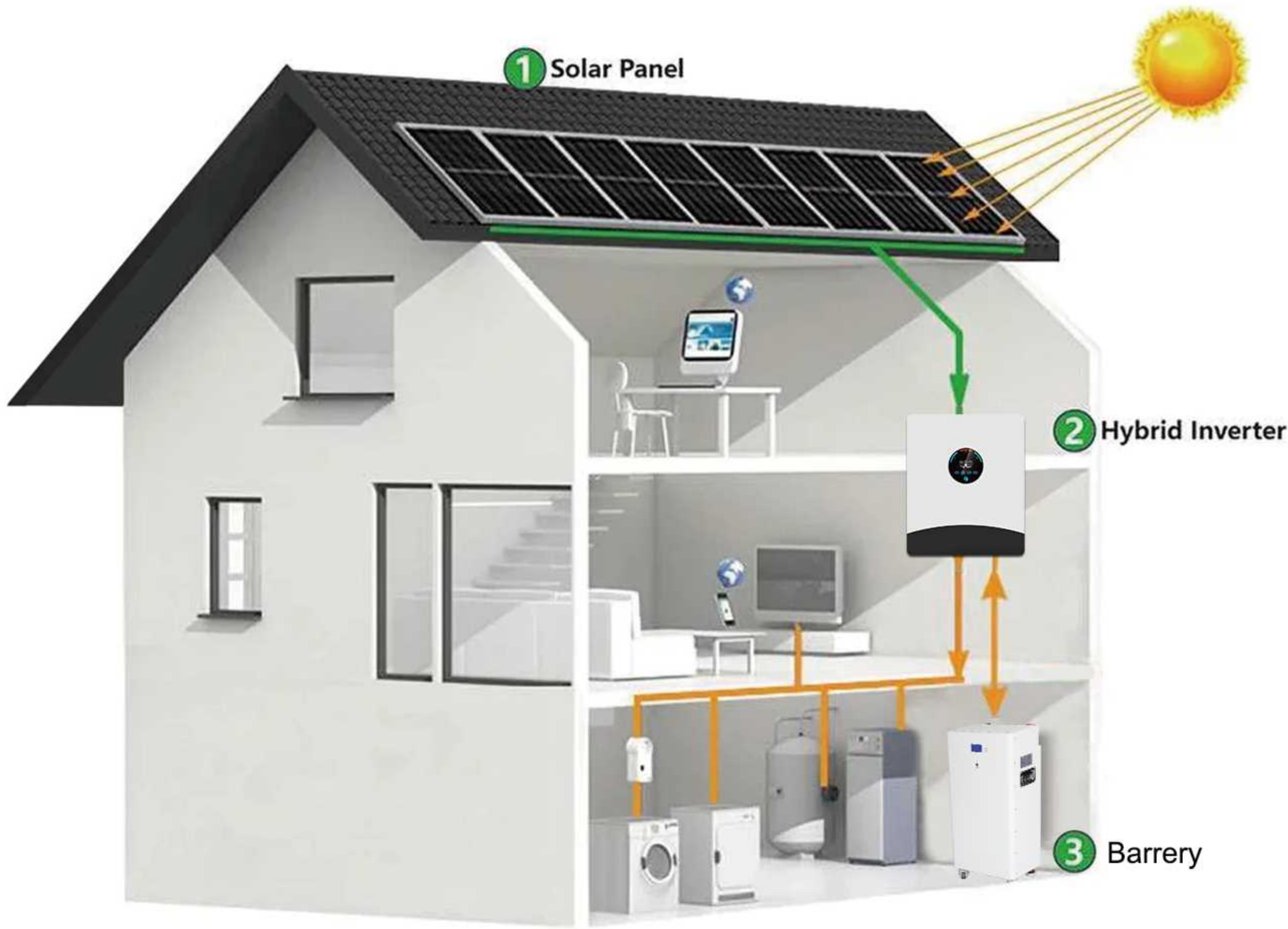
Applications for KTAC products include most electrical home appliances such as washing machine, fridge, freezer, TV, fans, Air conditioner, lighting products, stage power supply, personal computers, servers, data center, office electrical equipments, factory electrical equipments and machineries, marine boats, cars, trucks, commercial centers, hotels, residential lighting, automation control system.

With perseverant concentration in power supply and profound understanding of manufacturing and deep awareness of importance of product quality and reliability, KTAC is confident of our ability to support your requirements by providing the highest quality and reliable products, delivered on time, and at competitive prices. Whether it's an industrial, commercial, residential application, KTAC is uniquely positioned to provide products with engineering innovation, proven quality, and high reliability.



KT51.2V-314AH

Home Use Solar Power System



Safe & Reliable

High safety LiFePO₄ battery.
Compliance with IEC62619, UN38.3, CE, .



Modular

Support up to 16 units in parallel



Ultra performance

More than 6000 cycles, self-developed
BMS/Cell/Pack to ensure best quality.



BMS & Circuit Breaker

200A / 250A



Compatibility

Compatible with most hybrid/battery inverter in self-
consumption, back-up and off-grid applications.



Intelligence

Strong pre-charge and balancing capability.
Remote data history & firmware upgrading function

Parameters

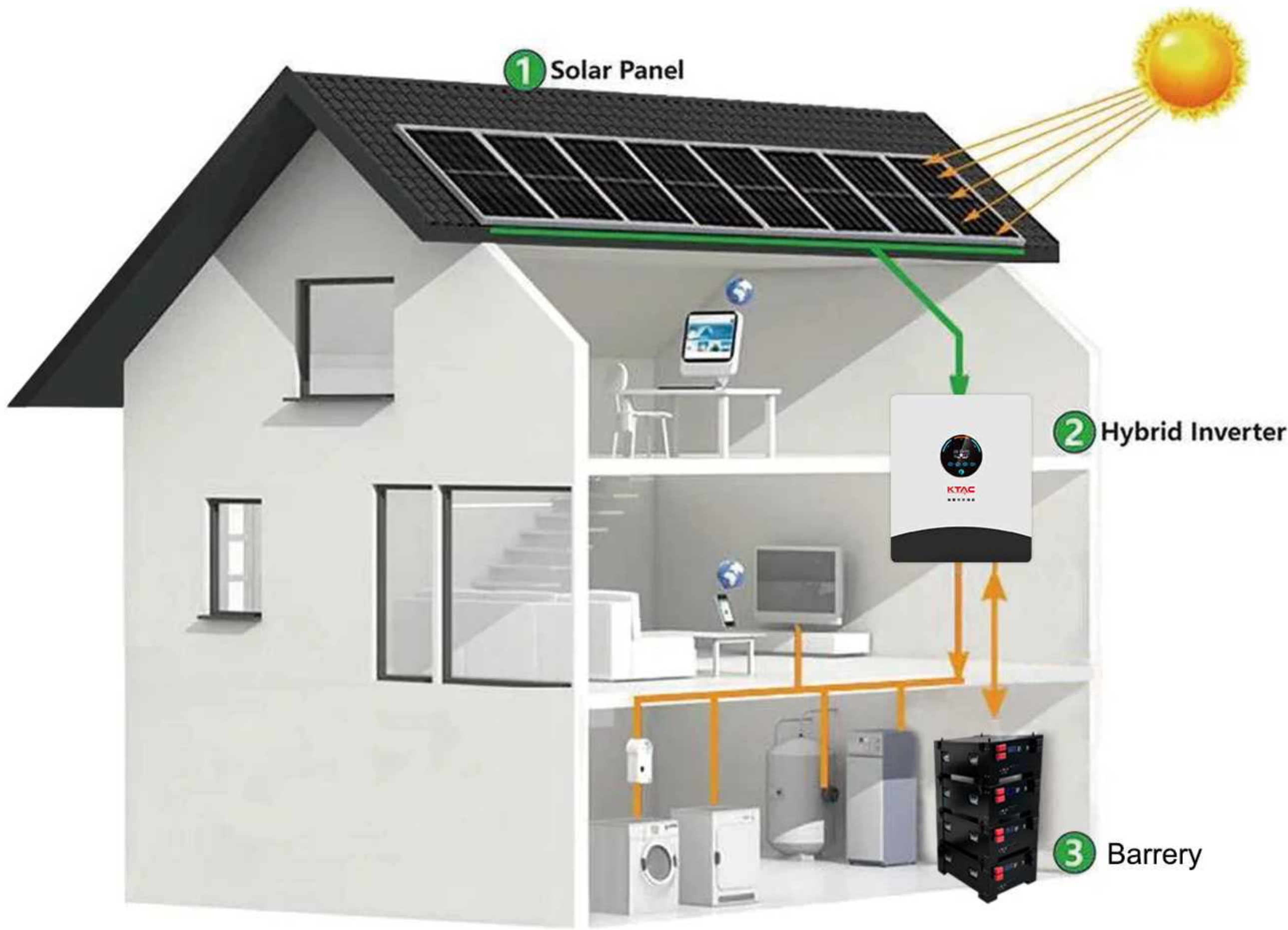
Items	KT51.2V-314AH
Rated energy(kWh)	16.076KWh
Configuration	1P16S
Nominal Voltage	51.2V
Nominal Capacity	314Ah
Battery Type	16S1P Lifepo4 3.2v 314Ah Grade A Battery cell
Working Voltage(V)	42V~58.4V
Rated charge/discharge Current(A)	200A @25±2°C
Maximum charging current	200A @25±2°C
Maximum discharge current	200A @25±2°C
Working temperature	0~40°C(Charge)
Working temperature	-20~40°C(Discharge)
Humidity(%)	5~95%
Altitude limited(m)	0-3000m
Storage temperature	-10°C~35°C (Within one month of storage)
Storage temperature	25±2°C (Within three months of storage)
Storage humidity	65%±20%RH
Cycle Life	6000 cycles @25°C
Cycle Life	50A Charge and discharge current 80%DOD
Residual capacity loss	≤3% @25°C 20% SOC
Communication mode	CAN&RS485
Net weight	125kg
Dimension	440x270x850mm

[1] Test conditions: 90% depth of discharge (DOD), 0.2C rate charge & discharge at 25°C.
[2] System Usable Energy may vary different inverter brand.
[3] Derating occurs when the operating temperature from -10°C to 10°C & 40°C to 50°C.



KT51.2V-314RT

Home Use Solar Power System



Safe & Reliable
High safety LiFePO₄ battery.
Compliance with IEC62619, UN38.3, CE, .



Modular
Support up to 16 units in parallel



Ultra performance
More than 6000 cycles, self-developed BMS/Cell/Pack to ensure best quality.



BMS & Circuit Breaker
200A / 250A



Compatibility
Compatible with most hybrid/battery inverter in self-consumption, back-up and off-grid applications.



Intelligence
Strong pre-charge and balancing capability.
Remote data history & firmware upgrading function

Parameters

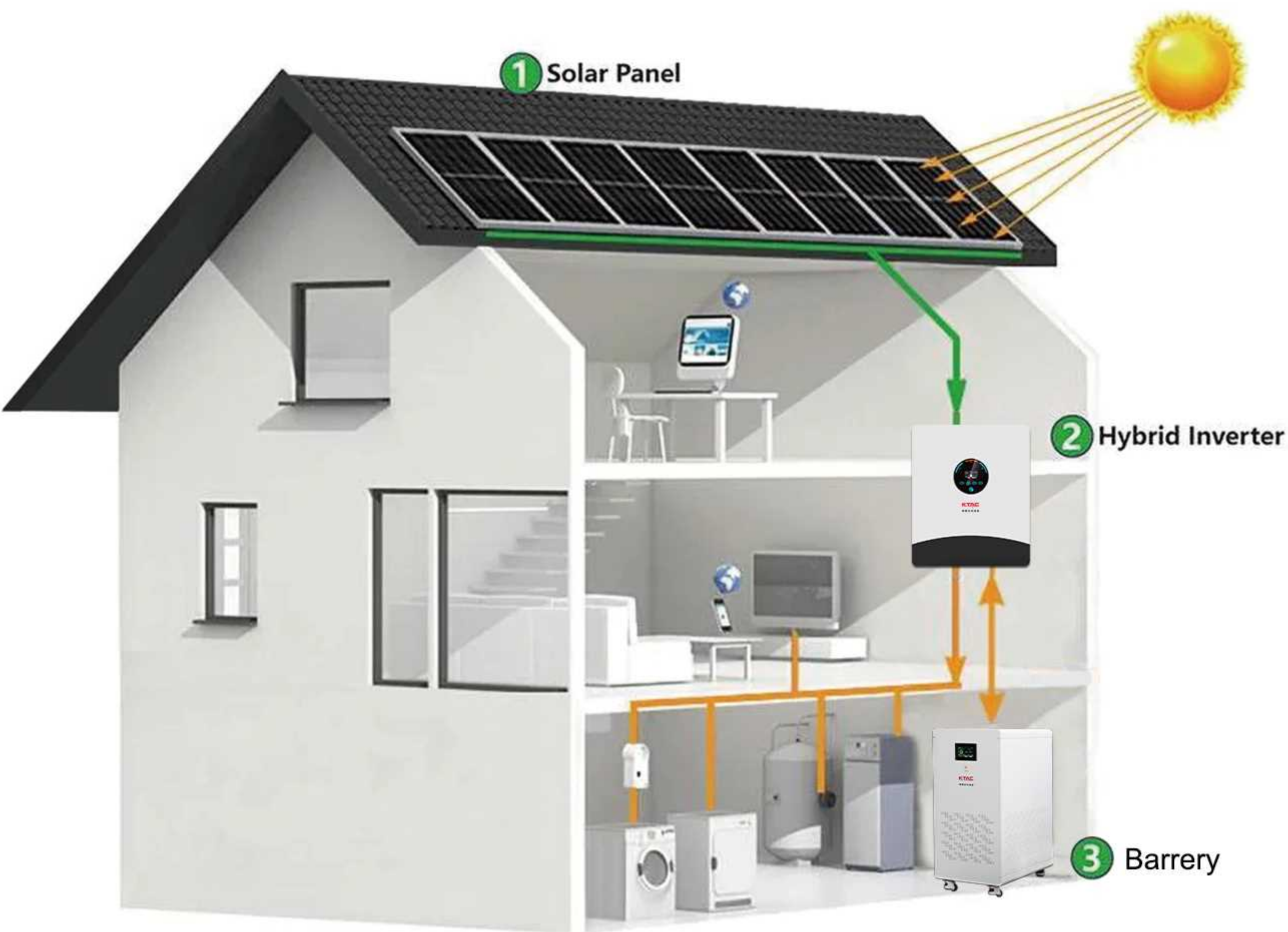
Items	KT51.2V-314RT
Rated energy(kWh)	16.076KWh
Configuration	1P16S
Nominal Voltage	51.2V
Nominal Capacity	314Ah
Battery Type	16S1P Lifepo4 3.2v 314Ah Grade A Battery cell
Working Voltage(V)	42V~58.4V
Rated charge/discharge Current(A)	200A @25±2°C
Maximum charging current	200A @25±2°C
Maximum discharge current	200A @25±2°C
Working temperature	0~40°C(Charge)
Working temperature	-20~40°C(Discharge)
Humidity(%)	5~95%
Altitude limited(m)	0-3000m
Storage temperature	-10°C~35°C (Within one month of storage)
Storage temperature	25±2°C (Within three months of storage)
Storage humidity	65%±20%RH
Cycle Life	6000 cycles @25°C
Cycle Life	50A Charge and discharge current 80%DOD
Residual capacity loss	≤3% @25°C 20% SOC
Communication mode	CAN&RS485
Net weight	120kg
Dimension	768x480x300mm

[1] Test conditions: 90% depth of discharge (DOD), 0.2C rate charge & discharge at 25°C.
[2] System Usable Energy may vary different inverter brand.
[3] Derating occurs when the operating temperature from -10°C to 10°C & 40°C to 50°C.



KT51.2V-628AH

Home Use Solar Power System



Safe & Reliable
High safety LiFePO₄ battery.
Compliance with IEC62619, UN38.3, CE, .



Modular
Support up to 16 units in parallel



Ultra performance
More than 6000 cycles, self-developed BMS/Cell/Pack to ensure best quality.



BMS & Circuit Breaker
300A / 375A



Compatibility
Compatible with most hybrid/battery inverter in self-consumption, back-up and off-grid applications.



Intelligence
Strong pre-charge and balancing capability.
Remote data history & firmware upgrading function

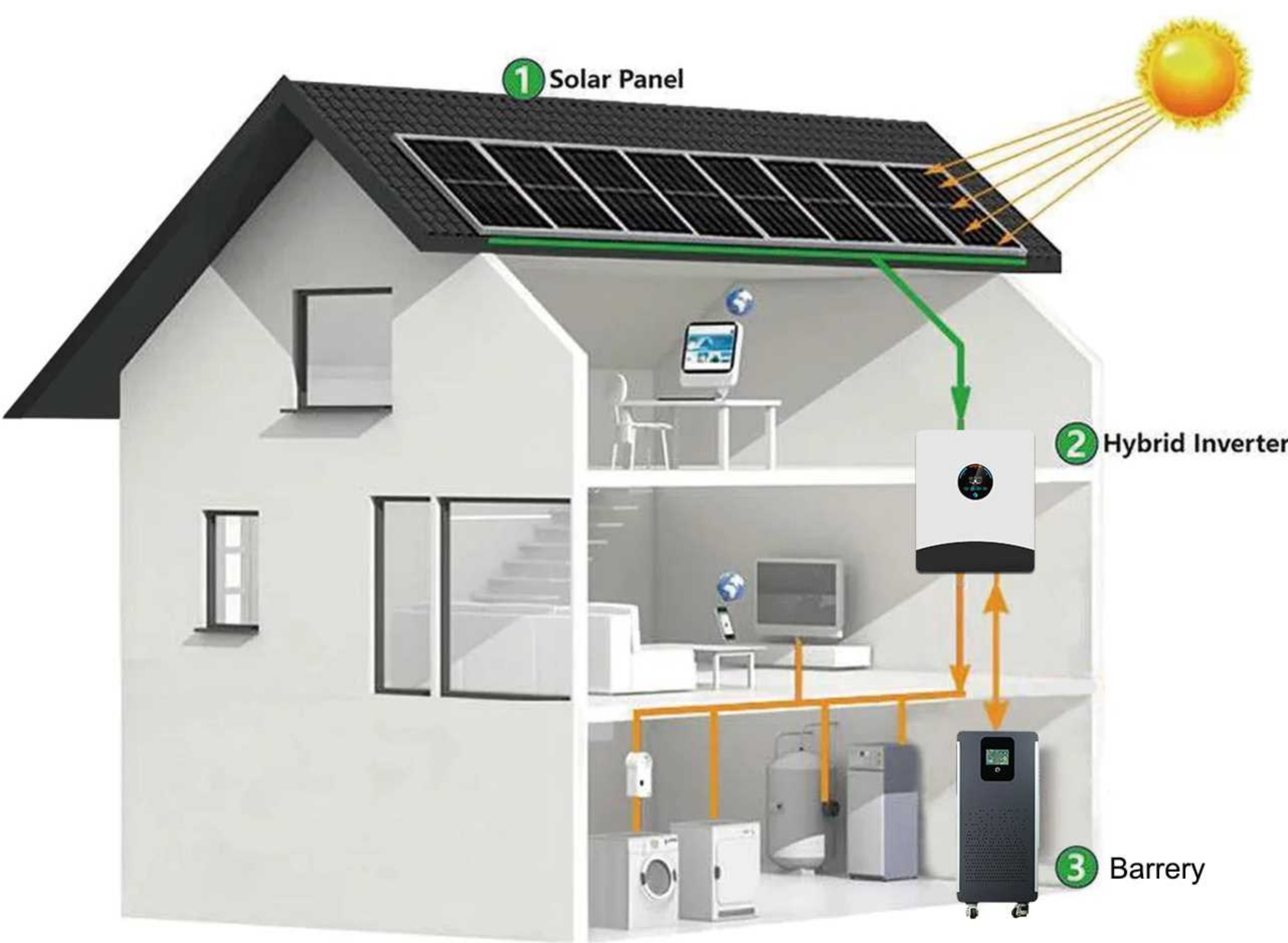
Parameters

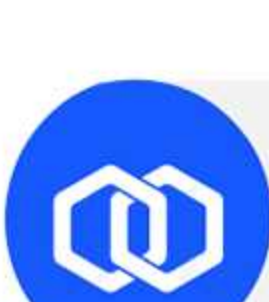
Items	KT51.2V-628AH
Rated energy(kWh)	32.154KWh
Configuration	2P16S
Nominal Voltage	51.2V
Nominal Capacity	628Ah
Battery Type	16S2P Lifepo4 3.2v 314Ah Grade A Battery cell
Working Voltage(V)	42V~58.4V
Rated charge/discharge Current(A)	300A @25±2℃
Maximum charging current	300A @25±2℃
Maximum discharge current	300A @25±2℃
Working temperature	0~40℃(Charge)
Working temperature	-20~40℃(Discharge)
Humidity(%)	5~95%
Altitude limited(m)	0-3000m
Storage temperature	-10℃~35℃ (Within one month of storage)
Storage temperature	25±2℃ (Within three months of storage)
Storage humidity	65%±20%RH
Cycle Life	6000 cycles @25℃
Cycle Life	50A Charge and discharge current 80%DOD
Residual capacity loss	≤3% @25℃ 20% SOC
Communication mode	CAN&RS485
Net weight	260kg
Dimension	440x720x900mm

[1] Test conditions: 90% depth of discharge (DOD), 0.2C rate charge & discharge at 25℃.
[2] System Usable Energy may vary different inverter brand.
[3] Derating occurs when the operating temperature from -10℃ to 10℃ & 40℃ to 50℃.



Home Use Solar Power System



-  Communication: enables more efficient and accurate data transmission and control
-  WIFI: Users can remotely monitor the status of lithium batteries using devices such as mobile phones and computers
-  Energy storage: supports photovoltaic power generation off grid system
-  Parallel connection: supports up to 16 parallel connections, expands battery capacity
-  LED display screen: button screen/touch screen selectable, can add multiple languages
-  Active balancing: can more effectively utilize electrical energy and reduce energy loss
-  Compatibility: Supports communication with most inverters on the market
-  Lifespan: Over 5000 cycles
-  Safety: Lithium iron phosphate batteries can maintain good performance and stability

Parameters

Items	51.2V-600AH	51.2V-900AH
Rated energy(kWh)	30.72KWh	46.08KWh
Configuration	2P16S	3P16S
Nominal Voltage	51.2V	51.2V
Nominal Capacity	600Ah	900Ah
Battery Type	16S2P Lifepo4 3.2v 314Ah Grade A Battery cell	16S3P Lifepo4 3.2v 314Ah Grade A Battery cell
Working Voltage(V)	40V~58.4V	40V~58.4V
Rated charge/discharge Current(A)	200A @25±2℃	200A @25±2℃
Maximum charging current	200A @25±2℃	200A @25±2℃
Maximum discharge current	200A @25±2℃	200A @25±2℃
Working temperature	0~45℃(Charge)	0~45℃(Charge)
Working temperature	-20~65℃(Discharge)	-20~65℃(Discharge)
Humidity(%)	5~95%	5~95%
Altitude limited(m)	0-3000m	0-3000m
Storage temperature	-10℃~35℃ (Within one month of storage)	-10℃~35℃ (Within one month of storage)
Storage temperature	25±2℃ (Within three months of storage)	25±2℃ (Within three months of storage)
Storage humidity	65%±20%RH	65%±20%RH
Cycle Life	5000 cycles @25℃	5000 cycles @25℃
Cycle Life	50A Charge and discharge current 80%DOD	50A Charge and discharge current 80%DOD
Residual capacity loss	≤3% @25℃ 20% SOC	≤3% @25℃ 20% SOC
Communication mode	CAN/RS232/RS485	CAN/RS232/RS485
Net weight	235kg	348kg
Dimension	720x435x860mm	1015x435x855mm

[1] Test conditions: 90% depth of discharge (DOD), 0.2C rate charge & discharge at 25℃.

[2] System Usable Energy may vary different inverter brand.

[3] Derating occurs when the operating temperature from -10℃ to 10℃ & 40℃ to 50℃.



25.6V-100AH

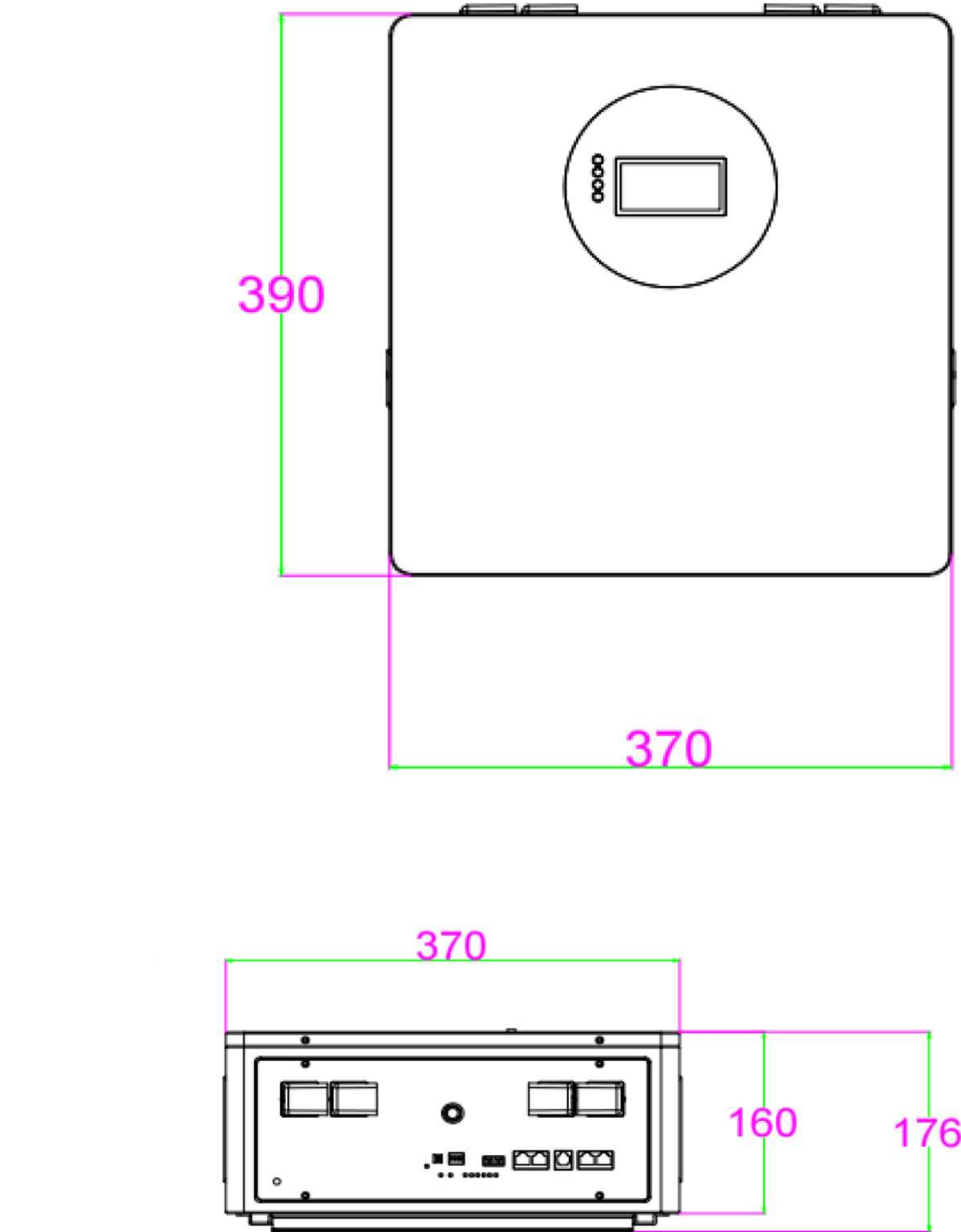
Features

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Safe & Reliable
High safety LiFePO₄ battery.
Compliance with IEC62619, UN38.3, CE, .
- 

Modular
Support up to 16 units in parallel
- 

Ultra performance
More than 6000 cycles, self-developed BMS/Cell/Pack to ensure best quality.



- 

Compact & Flexible
standard height design.
- 

Compatibility
Compatible with most hybrid/battery inverter in self-consumption, back-up and off-grid applications.
- 

Intelligence
Strong pre-charge and balancing capability.
Remote data history & firmware upgrading function

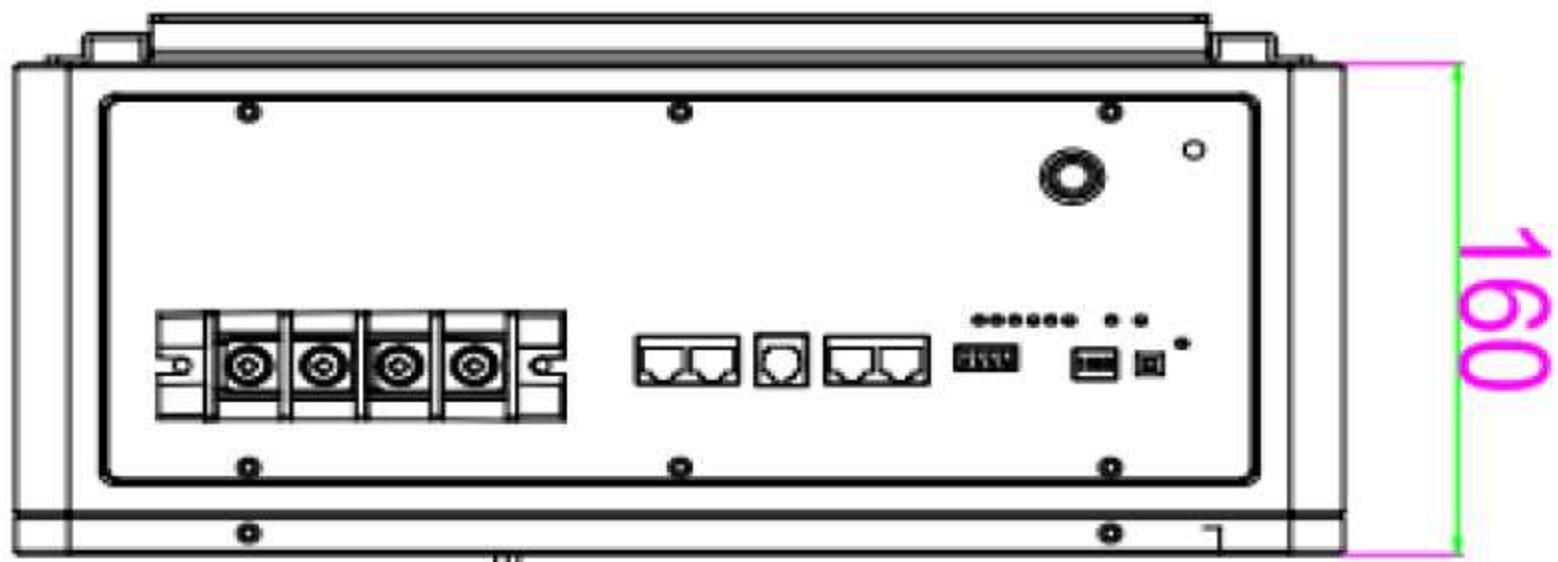
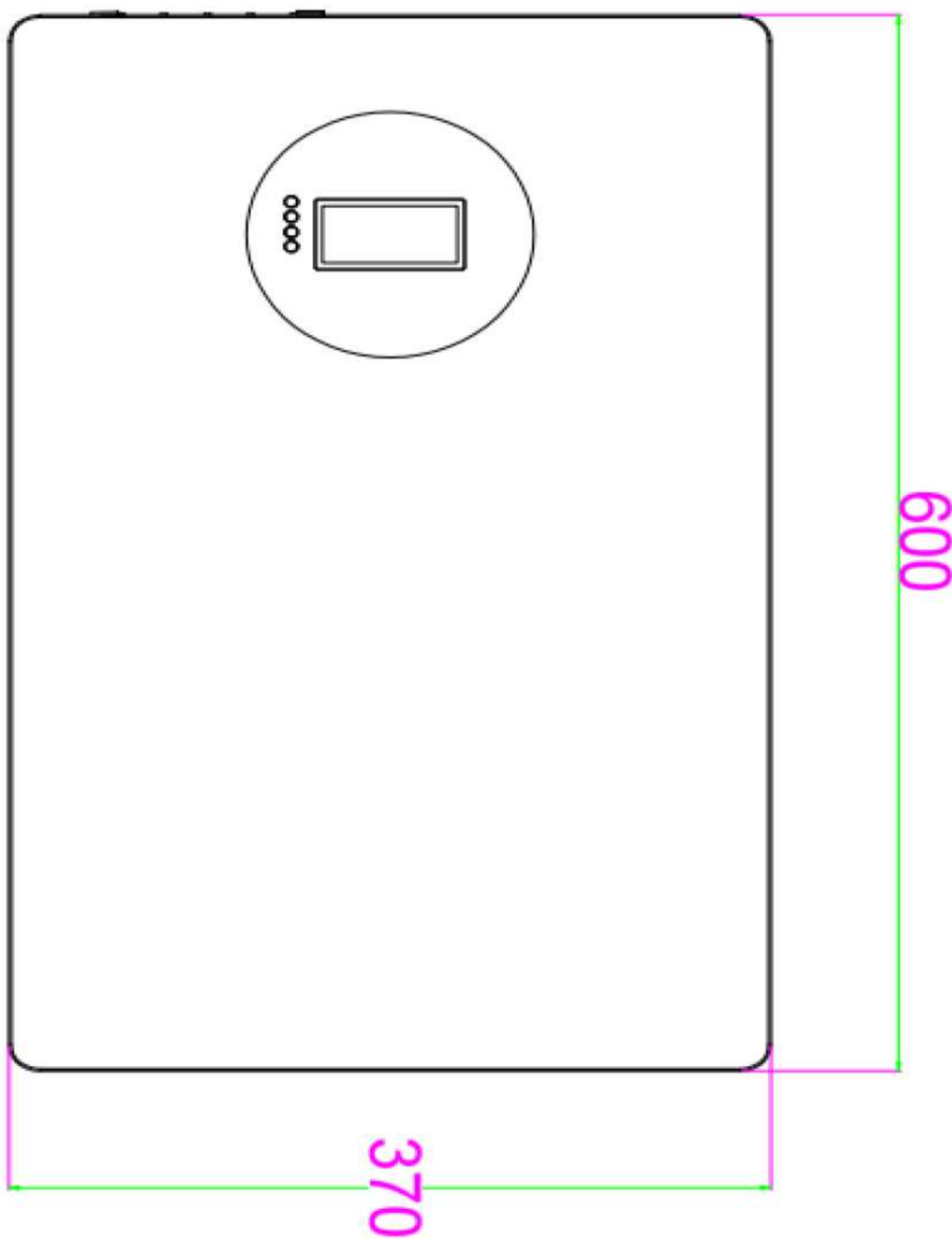
Parameters

Items	25.6V100AH
Nominal voltage	25.6V
Nominal capacity	100Ah
Nominal energy	2.56KWh
Max. voltage range	21.6V~28.8V
Charge voltage	28.8V
undervoltage protection	21.6V
Recommend charge current	50A
Recommend discharge current	50A
Max. discharge current	100A
Communication	RS485 /CAN
IP rating	IP20
Cycle life	≥6000 cycles
Net weight	~25kg
Dimension(W*H*D)	390*370*160mm
Cell type	Lithium-iron phosphate (LiFePO ₄)
Design life	15 years
Charging Temperature	0~65℃
Discharging Temperature	-20~65℃
Relative humidity	5%~90%, No condensation
Install altitude	≤3000m
Install location	Indoor
Installation	Wall mounted
Certification	IEC62619 / UN38.3 / CE / CEC

[1] Test conditions: 90% depth of discharge (DOD), 0.2C rate charge & discharge at 25℃.
[2] System Usable Energy may vary different inverter brand.
[3] Derating occurs when the operating temperature from -10℃ to 10℃ & 40℃ to 50℃.



25.6V-200AH



Features



Safe & Reliable
High safety LiFePO₄ battery.
Compliance with IEC62619, UN38.3, CE, .



Modular
Support up to 16 units in parallel



Ultra performance
More than 6000 cycles, self-developed BMS/Cell/Pack to ensure best quality.



Compact & Flexible
standard height design.



Compatibility
Compatible with most hybrid/battery inverter in self-consumption, back-up and off-grid applications.



Intelligence
Strong pre-charge and balancing capability.
Remote data history & firmware upgrading function

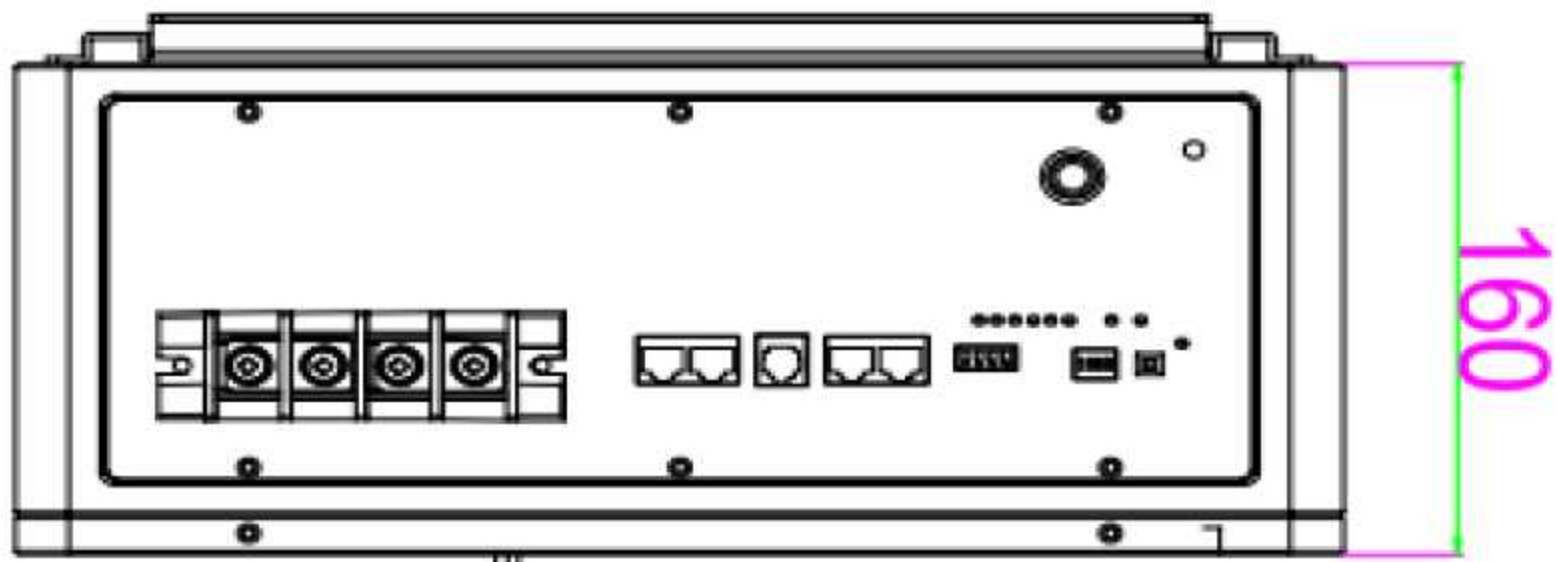
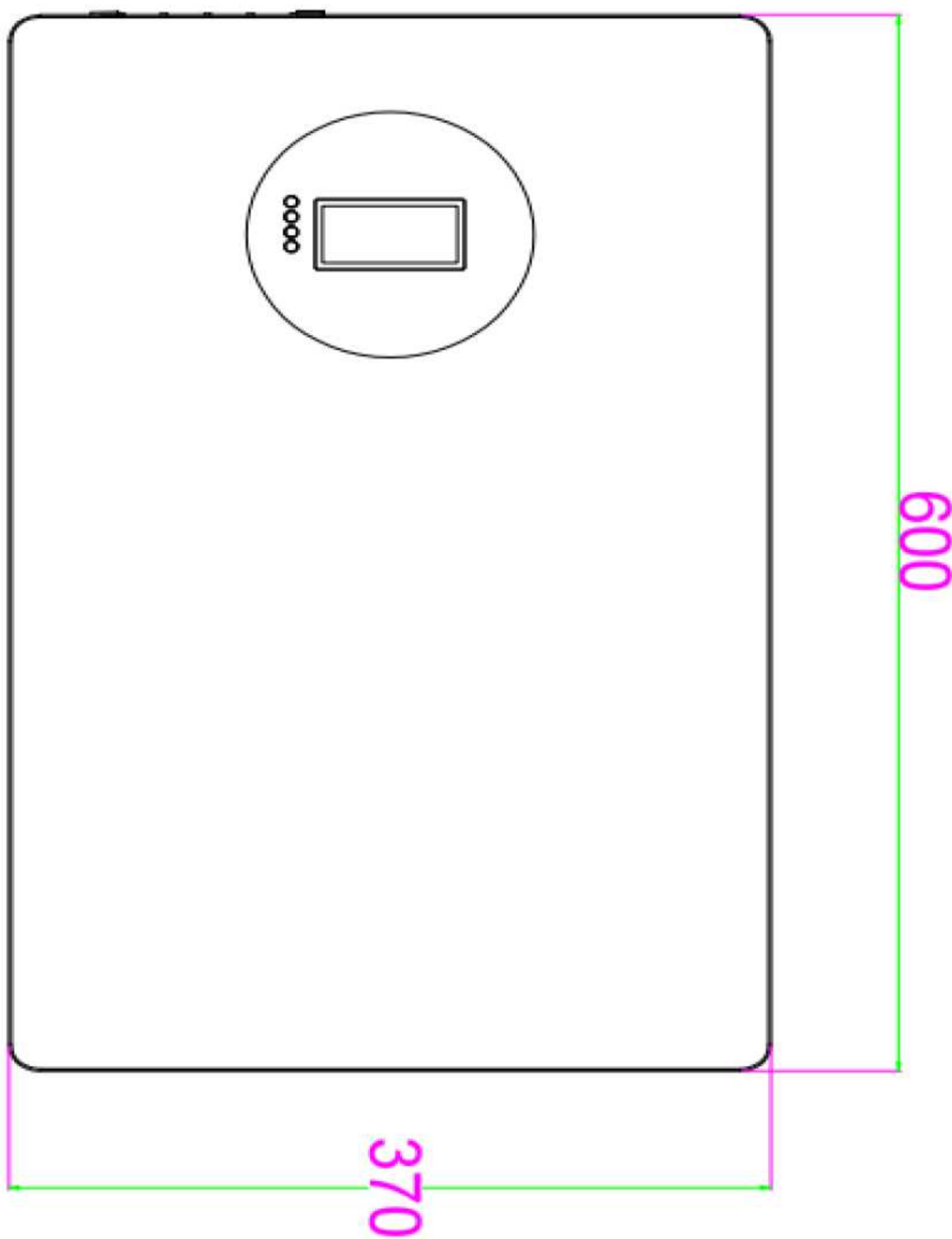
Parameters

Items	25.6V200AH
Nominal voltage	25.6V
Nominal capacity	200Ah
Nominal energy	5.12KWh
Max. voltage range	21.6V~28.8V
Charge voltage	28.8V
undervoltage protection	21.6V
Recommend charge current	100A
Recommend discharge current	100A
Max. discharge current	200A
Communication	RS485 /CAN
IP rating	IP20
Cycle life	≥6000 cycles
Net weight	~42kg
Dimension(W*H*D)	600*370*160mm
Cell type	Lithium-iron phosphate (LiFePO ₄)
Design life	15 years
Charging Temperature	0~65℃
Discharging Temperature	-20~65℃
Relative humidity	5%~90%, No condensation
Install altitude	≤3000m
Install location	Indoor
Installation	Wall mounted
Certification	IEC62619 / UN38.3 / CE / CEC

[1] Test conditions: 90% depth of discharge (DOD), 0.2C rate charge & discharge at 25℃.
[2] System Usable Energy may vary different inverter brand.
[3] Derating occurs when the operating temperature from -10℃ to 10℃ & 40℃ to 50℃.



51.2V-100AH



Features



Safe & Reliable

High safety LiFePO₄ battery.
Compliance with IEC62619, UN38.3, CE, .



Modular

Support up to 16 units in parallel



Ultra performance

More than 6000 cycles, self-developed BMS/Cell/Pack to ensure best quality.



Compact & Flexible

standard height design.



Compatibility

Compatible with most hybrid/battery inverter in self-consumption, back-up and off-grid applications.



Intelligence

Strong pre-charge and balancing capability.
Remote data history & firmware upgrading function

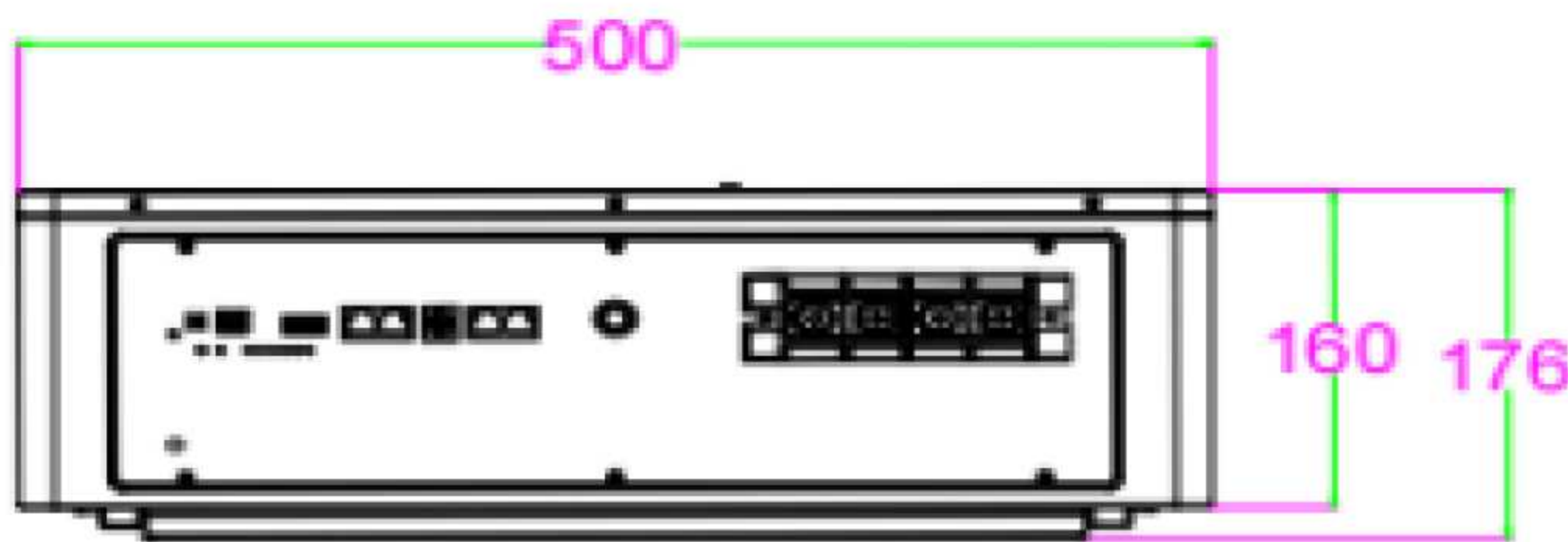
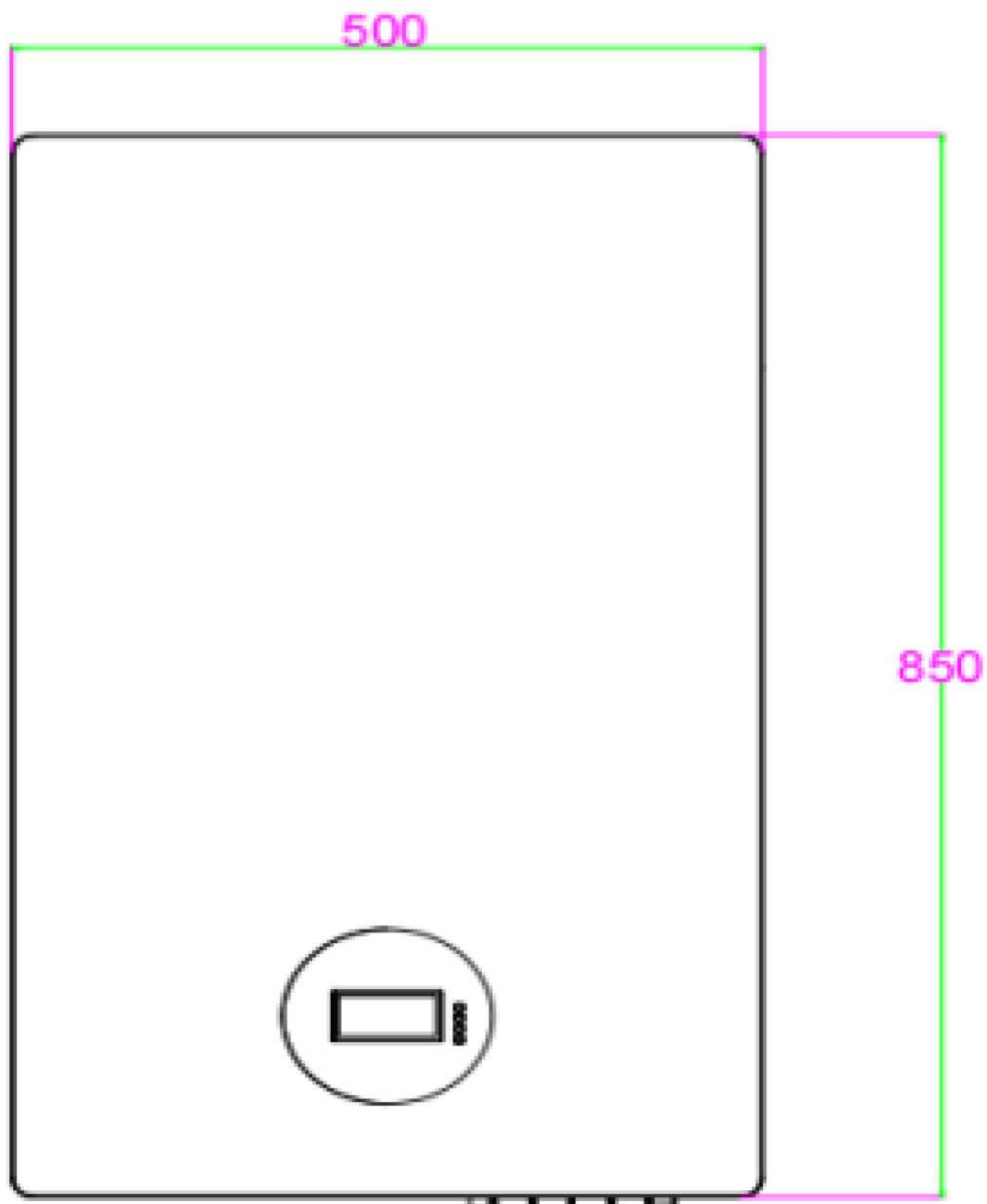
Parameters

Items	51.2V100AH
Nominal voltage	51.2V
Nominal capacity	100Ah
Nominal energy	5.12KWh
Max. voltage range	43.2V~57.6V
Charge voltage	57.6V
undervoltage protection	43.2V
Recommend charge current	50A
Recommend discharge current	50A
Max. discharge current	100A
Communication	RS485 /CAN
IP rating	IP20
Cycle life	≥6000 cycles
Net weight	~42kg
Dimension(W*H*D)	600*370*160mm
Cell type	Lithium-iron phosphate (LiFePO ₄)
Design life	15 years
Charging Temperature	0~65℃
Discharging Temperature	-20~65℃
Relative humidity	5%~90%, No condensation
Install altitude	≤3000m
Install location	Indoor
Installation	Wall mounted
Certification	IEC62619 / UN38.3 / CE / CEC

[1] Test conditions: 90% depth of discharge (DOD), 0.2C rate charge & discharge at 25℃.

[2] System Usable Energy may vary different inverter brand.

[3] Derating occurs when the operating temperature from -10℃ to 10℃ & 40℃ to 50℃.



51.2V-200AH

Features

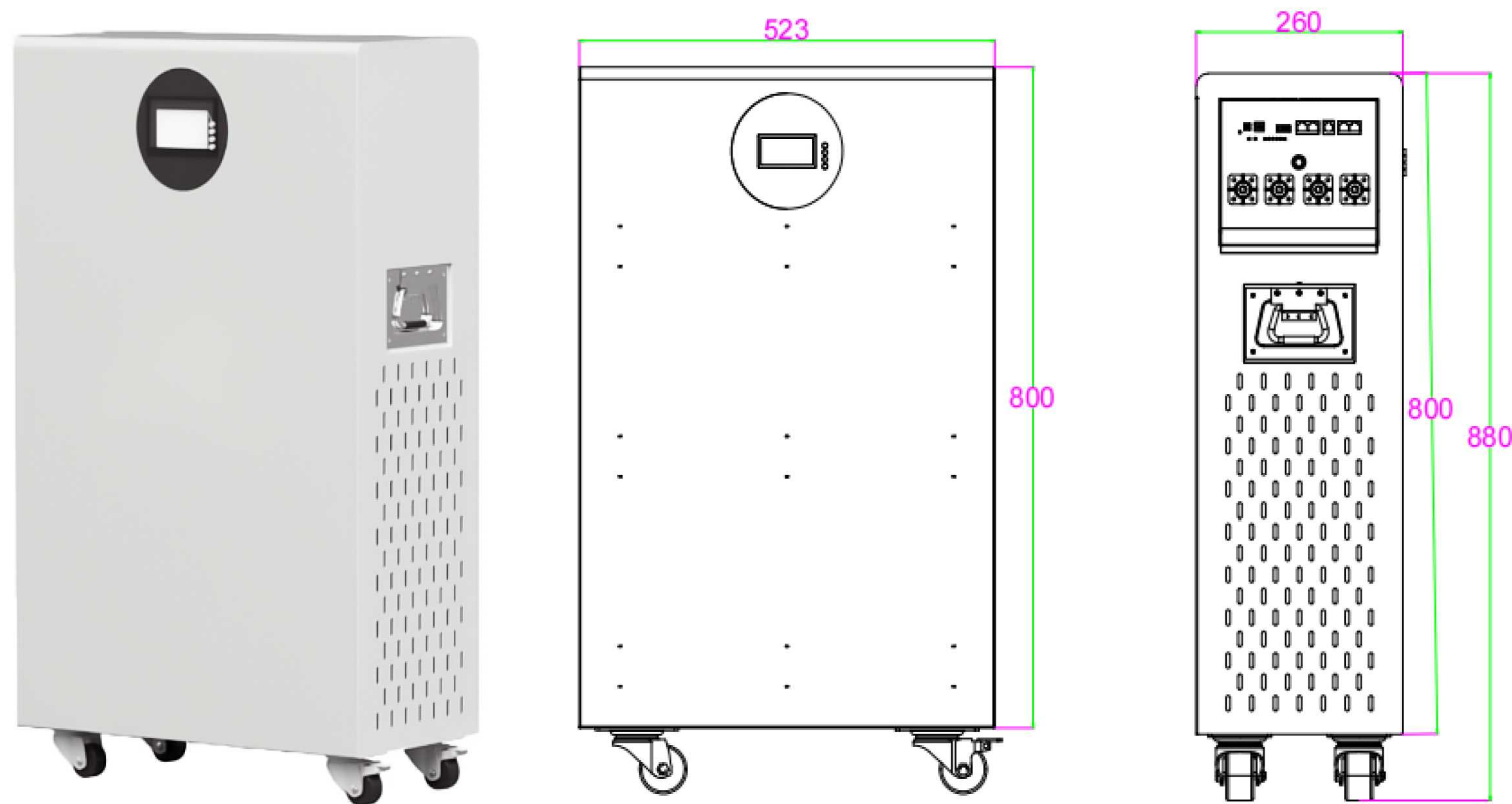
- Safe & Reliable**
High safety LiFePO₄ battery.
Compliance with IEC62619, UN38.3, CE, .
- Modular**
Support up to 16 units in parallel
- Ultra performance**
More than 6000 cycles, self-developed BMS/Cell/Pack to ensure best quality.

- Compact & Flexible**
standard height design.
- Compatibility**
Compatible with most hybrid/battery inverter in self-consumption, back-up and off-grid applications.
- Intelligence**
Strong pre-charge and balancing capability.
Remote data history & firmware upgrading function

Parameters

Items	51.2V200AH
Nominal voltage	51.2V
Nominal capacity	200Ah
Nominal energy	10.24KWh
Max. voltage range	43.2V~57.6V
Charge voltage	57.6V
undervoltage protection	43.2V
Recommend charge current	100A
Recommend discharge current	100A
Max. discharge current	200A
Communication	RS485 /CAN
IP rating	IP20
Cycle life	≥6000 cycles
Net weight	~80kg
Dimension(W*H*D)	850*500*160mm
Cell type	Lithium-iron phosphate (LiFePO ₄)
Design life	15 years
Charging Temperature	0~65℃
Discharging Temperature	-20~65℃
Relative humidity	5%~90%, No condensation
Install altitude	≤3000m
Install location	Indoor
Installation	Wall mounted
Certification	IEC62619 / UN38.3 / CE / CEC

[1] Test conditions: 90% depth of discharge (DOD), 0.2C rate charge & discharge at 25℃.
[2] System Usable Energy may vary different inverter brand.
[3] Derating occurs when the operating temperature from -10℃ to 10℃ & 40℃ to 50℃.



51.2V-280AH

Features

- Safe & Reliable**

High safety LiFePO₄ battery.
Compliance with IEC62619, UN38.3, CE, .
- Modular**

Support up to 16 units in parallel
- Ultra performance**

More than 6000 cycles, self-developed BMS/Cell/Pack to ensure best quality.

- Compact & Flexible**

standard height design.
- Compatibility**

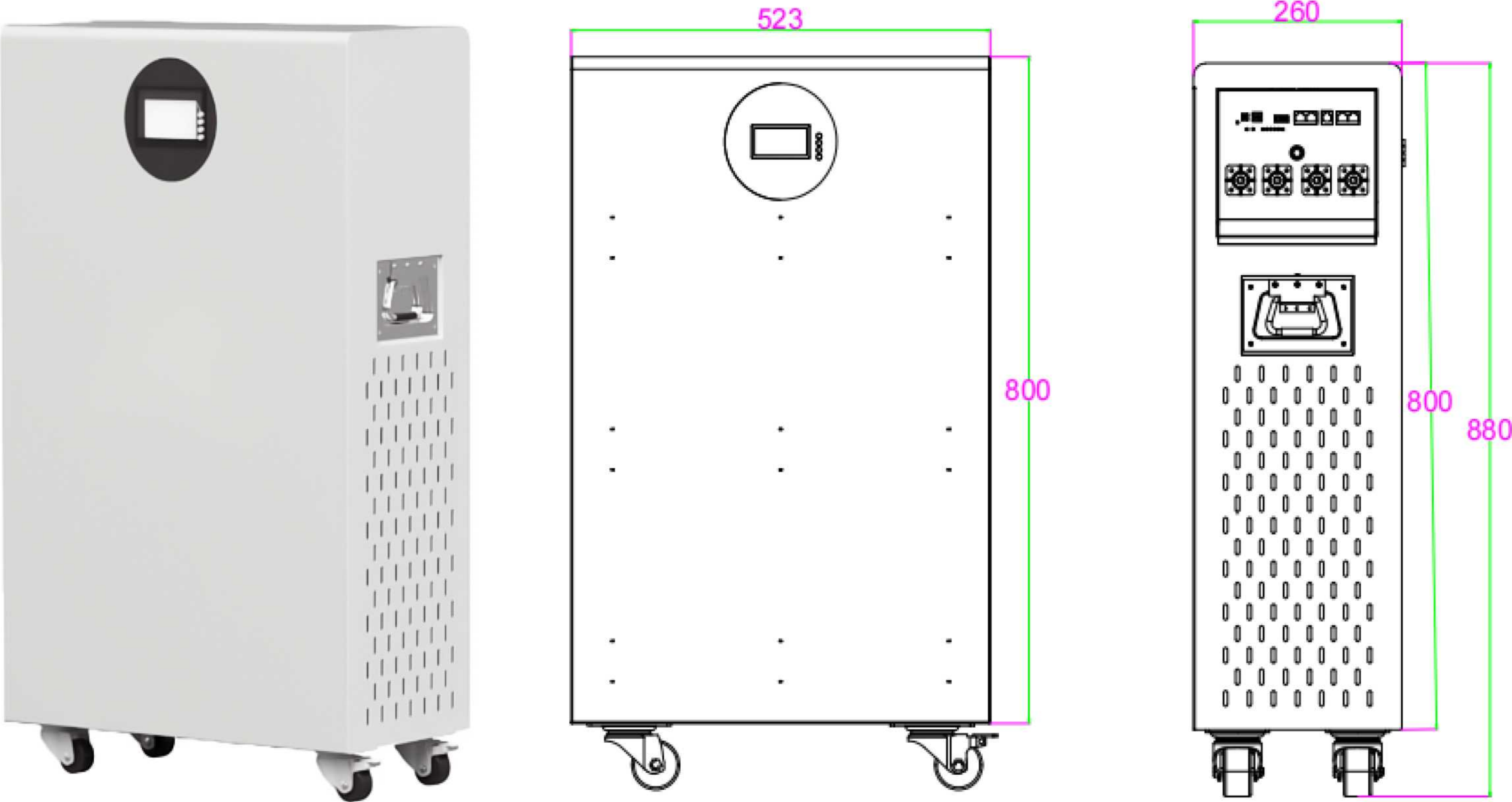
Compatible with most hybrid/battery inverter in self-consumption, back-up and off-grid applications.
- Intelligence**

Strong pre-charge and balancing capability.
Remote data history & firmware upgrading function

Parameters

Items	51.2V280AH
Nominal voltage	51.2V
Nominal capacity	280Ah
Nominal energy	14.3KWh
Max. voltage range	43.2V~57.6V
Charge voltage	57.6V
undervoltage protection	43.2V
Recommend charge current	100A
Recommend discharge current	100A
Max. discharge current	200A
Communication	RS485 /CAN
IP rating	IP20
Cycle life	≥6000 cycles
Net weight	~124kg
Dimension(W*H*D)	880*523*260mm
Cell type	Lithium-iron phosphate (LiFePO ₄)
Design life	15 years
Charging Temperature	0~65℃
Discharging Temperature	-20~65℃
Relative humidity	5%~90%, No condensation
Install altitude	≤3000m
Install location	Indoor
Installation	Wall mounted
Certification	IEC62619 / UN38.3 / CE / CEC

[1] Test conditions: 90% depth of discharge (DOD), 0.2C rate charge & discharge at 25℃.
[2] System Usable Energy may vary different inverter brand.
[3] Derating occurs when the operating temperature from -10℃ to 10℃ & 40℃ to 50℃.



51.2V-280AH

特点

安全可靠
高安全性磷酸铁锂电池，符合IEC62619、UN38.3、CE等标准。

模块化
支持多达16个单元并联

超强性能
超过6000次循环，自主研发的电池管理系统（BMS）/电芯包确保最佳品质

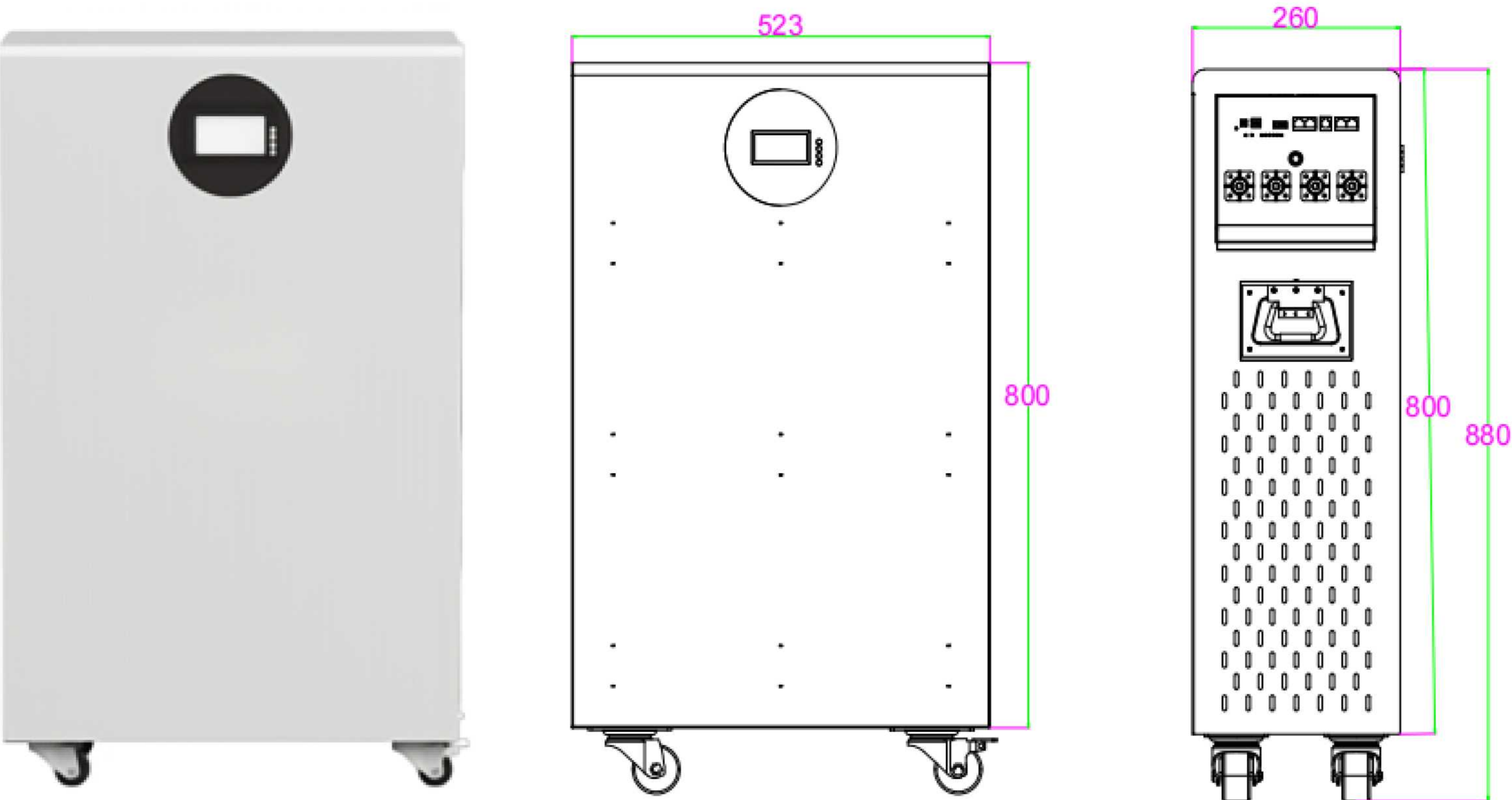
紧凑灵活
标准高度设计，结构紧凑且安装灵活

兼容性强
与大多数用于自发自用、备用和离网应用的混合/电池逆变器兼容

智能特性
具备强大的预充电和均衡能力，拥有远程数据历史记录和固件升级功能

项目	51.2V-280AH
标称电压	51.2V
标称容量	280Ah
标称能量	14.3KWh
最大电压范围	43.2V~57.6V
充电电压	57.6V
欠压保护	43.2V
推荐充电电流	100A
推荐放电电流	100A
最大放电电流	200A
通讯接口	RS485/CAN
防护等级	IP20
循环寿命	≥6000次循环
净重	124kg
尺寸	880*523*260mm
电芯类型	磷酸铁锂（LiFePO4）
设计寿命	15年
充电温度	0~65℃
放电温度	-20~65℃
相对湿度	5% - 90%，无冷凝
安装海拔	≤3000米
安装位置	室内
安装方式	壁挂式
认证	IEC62619、UN38.3、CE、CEC

[1] 测试条件：90% 放电深度 (DOD)，25° C 下 0.2C 倍率充放电。
[2] 系统可用能量可能因不同逆变器品牌而异。
[3] 工作温度在 -10° C 至 10° C 及 40° C 至 50° C 范围内时会发生性能衰减。



51.2V-314AH

Features

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Safe & Reliable
High safety LiFePO₄ battery.
Compliance with IEC62619, UN38.3, CE, .
- 

Modular
Support up to 16 units in parallel
- 

Ultra performance
More than 6000 cycles, self-developed BMS/Cell/Pack to ensure best quality.

- 

Compact & Flexible
standard height design.
- 

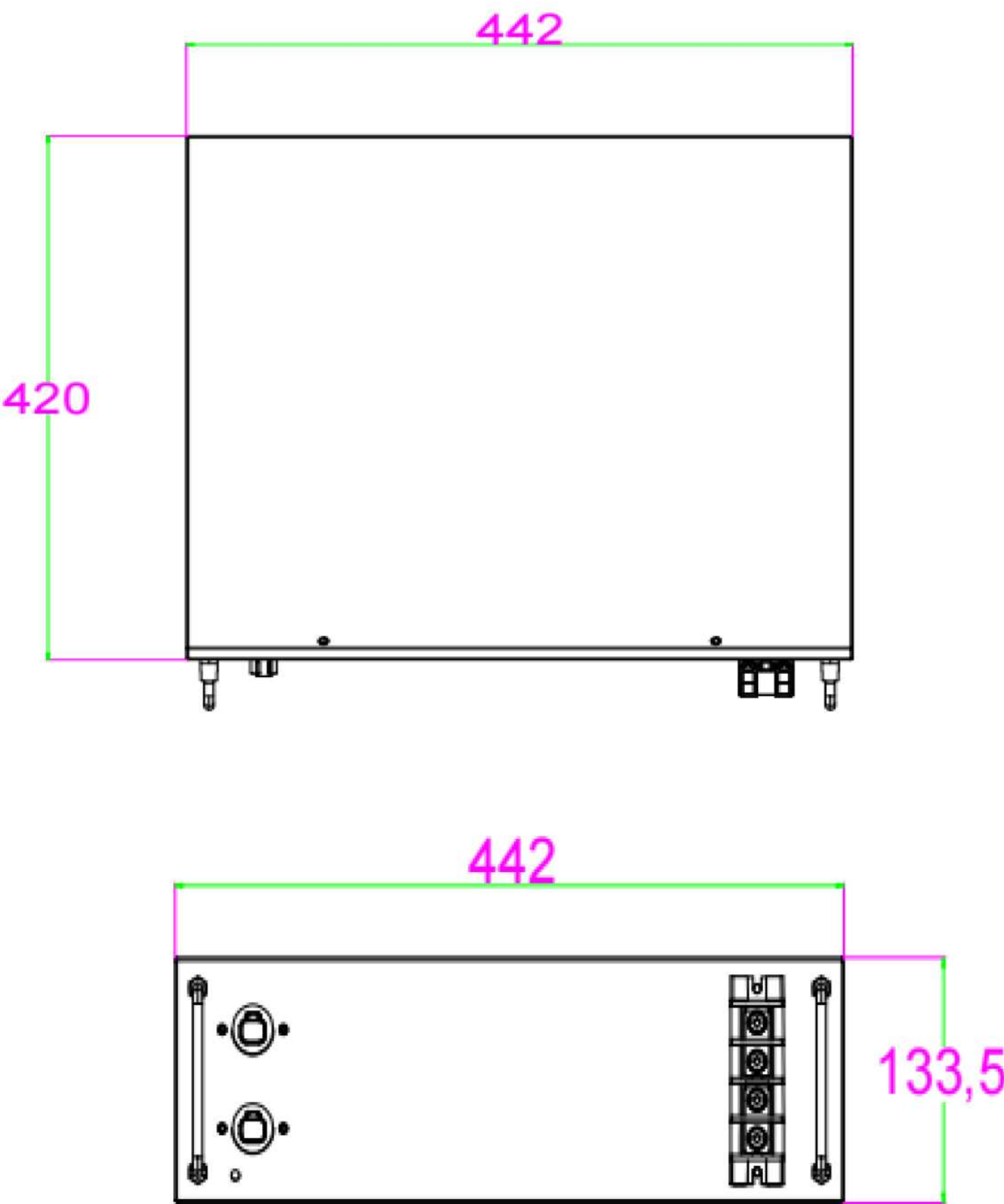
Compatibility
Compatible with most hybrid/battery inverter in self-consumption, back-up and off-grid applications.
- 

Intelligence
Strong pre-charge and balancing capability.
Remote data history & firmware upgrading function

Parameters

Items	51.2V314AH
Nominal voltage	51.2V
Nominal capacity	314Ah
Nominal energy	16KWh
Max. voltage range	43.2V~57.6V
Charge voltage	57.6V
undervoltage protection	43.2V
Recommend charge current	100A
Recommend discharge current	100A
Max. discharge current	200A
Communication	RS485 /CAN
IP rating	IP20
Cycle life	≥6000 cycles
Net weight	~130kg
Dimension(W*H*D)	880*523*260mm
Cell type	Lithium-iron phosphate (LiFePO ₄)
Design life	15 years
Charging Temperature	0~65℃
Discharging Temperature	-20~65℃
Relative humidity	5%~90%, No condensation
Install altitude	≤3000m
Install location	Indoor
Installation	Wall mounted
Certification	IEC62619 / UN38.3 / CE / CEC

[1] Test conditions: 90% depth of discharge (DOD), 0.2C rate charge & discharge at 25℃.
[2] System Usable Energy may vary different inverter brand.
[3] Derating occurs when the operating temperature from -10℃ to 10℃ & 40℃ to 50℃.



51.2V-100AH

Features

- Safe & Reliable**

High safety LiFePO₄ battery.
Compliance with IEC62619, UN38.3, CE, .
- Modular**

Support up to 16 units in parallel
- Ultra performance**

More than 6000 cycles, self-developed BMS/Cell/Pack to ensure best quality.

- Compact & Flexible**

standard height design.
- Compatibility**

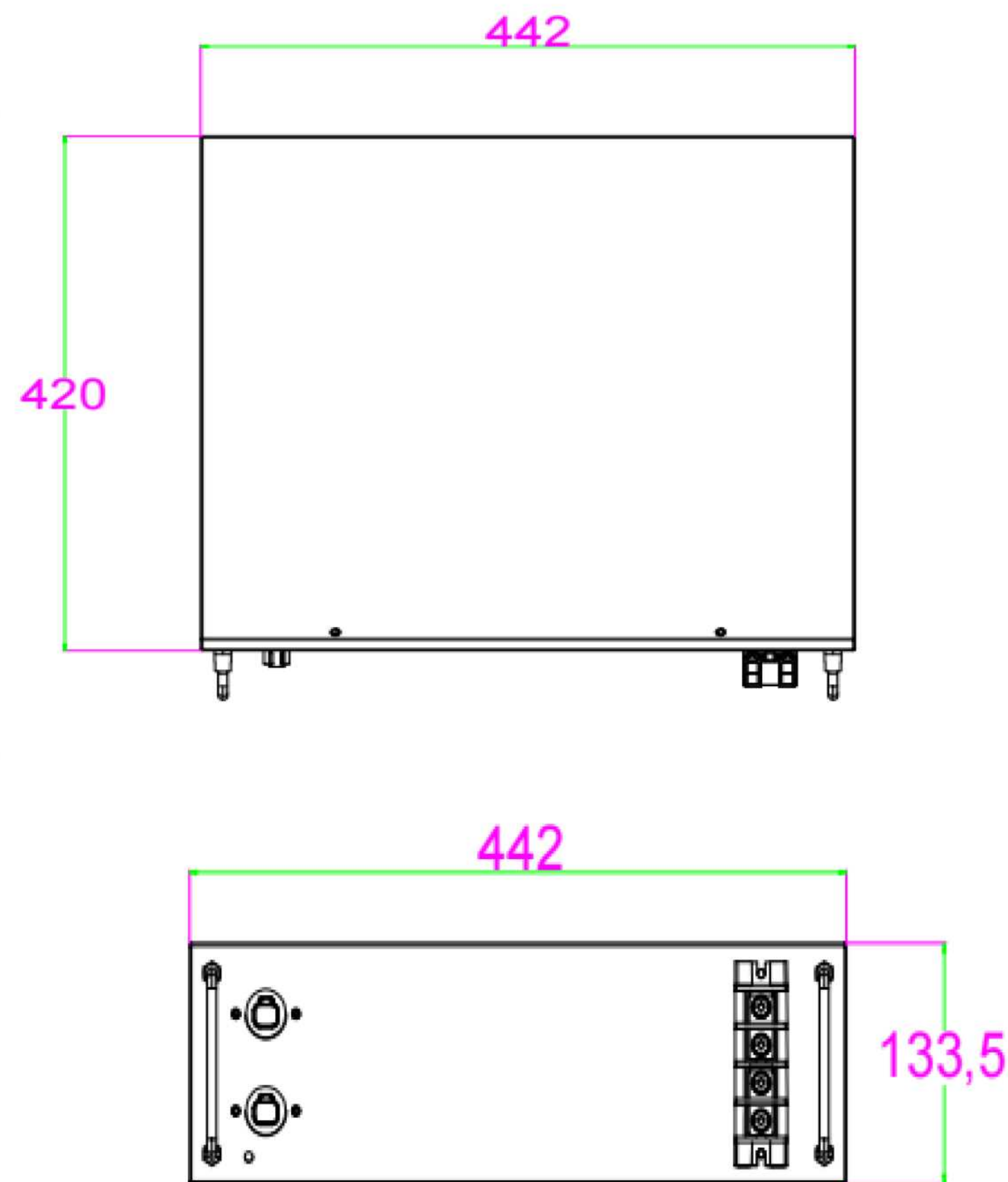
Compatible with most hybrid/battery inverter in self-consumption, back-up and off-grid applications.
- Intelligence**

Strong pre-charge and balancing capability.
Remote data history & firmware upgrading function

Parameters

Items	51.2V100AH (3U)
Nominal voltage	51.2V
Nominal capacity	100Ah
Nominal energy	5.12KWh
Max. voltage range	43.2V~57.6V
Charge voltage	57.6V
undervoltage protection	43.2V
Recommend charge current	50A
Recommend discharge current	50A
Max. discharge current	100A
Communication	RS485 /CAN
IP rating	IP20
Cycle life	≥6000 cycles
Net weight	~40kg
Dimension(W*H*D)	442*420*133.5mm
Cell type	Lithium-iron phosphate (LiFePO ₄)
Design life	15 years
Charging Temperature	0~65℃
Discharging Temperature	-20~65℃
Relative humidity	5%~90%, No condensation
Install altitude	≤3000m
Install location	Indoor
Installation	Rack mounted
Certification	IEC62619 / UN38.3 / CE / CEC

[1] Test conditions: 90% depth of discharge (DOD), 0.2C rate charge & discharge at 25℃.
[2] System Usable Energy may vary different inverter brand.
[3] Derating occurs when the operating temperature from -10℃ to 10℃ & 40℃ to 50℃.



48V-100AH

Features

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Safe & Reliable
High safety LiFePO₄ battery.
Compliance with IEC62619, UN38.3, CE, .
- 

Modular
Support up to 16 units in parallel
- 

Ultra performance
More than 6000 cycles, self-developed BMS/Cell/Pack to ensure best quality.

- 

Compact & Flexible
standard height design.
- 

Compatibility
Compatible with most hybrid/battery inverter in self-consumption, back-up and off-grid applications.
- 

Intelligence
Strong pre-charge and balancing capability.
Remote data history & firmware upgrading function

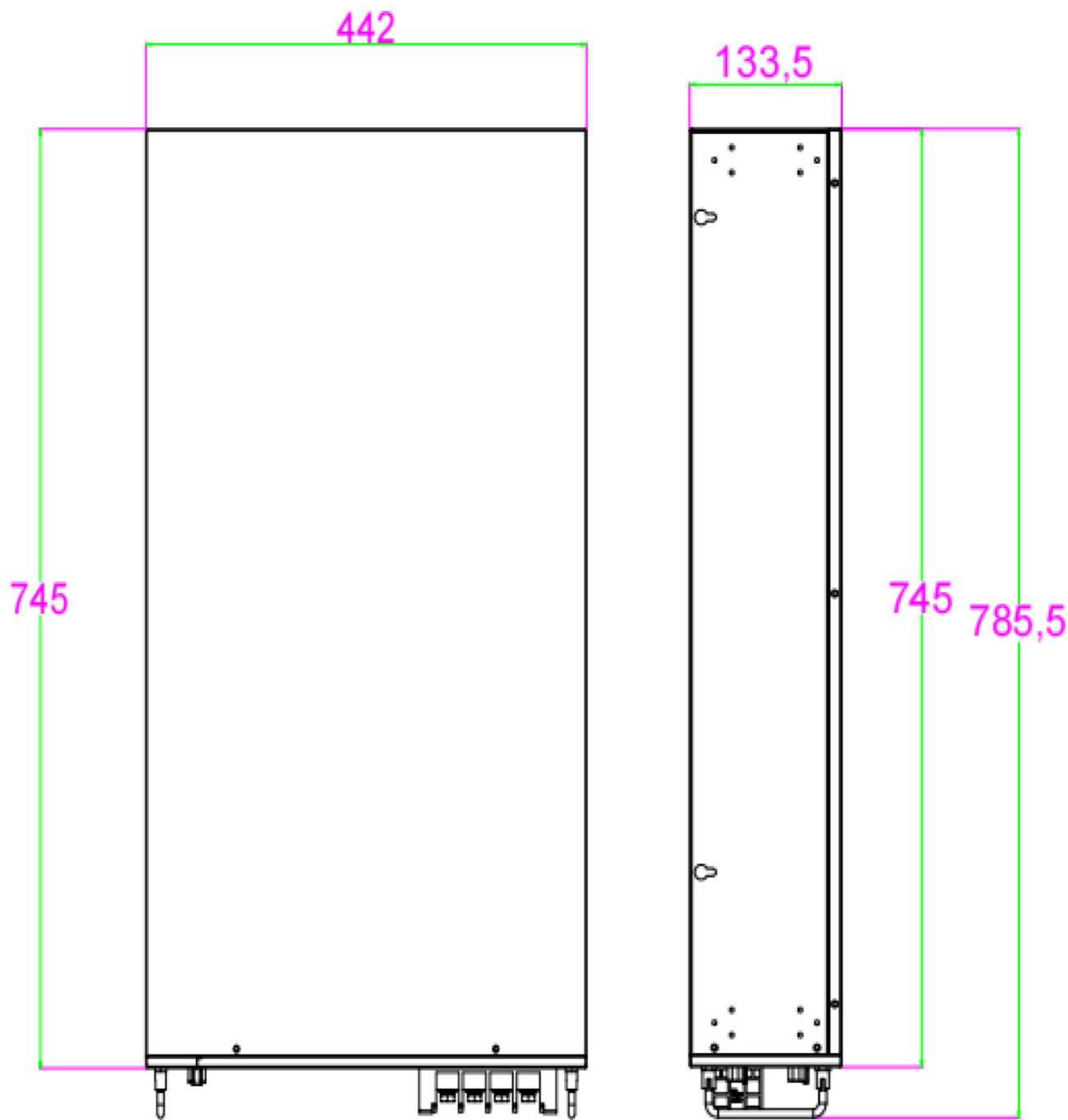
Parameters

Items	48V100AH (3U)
Nominal voltage	48V
Nominal capacity	100Ah
Nominal energy	4.8KWh
Max. voltage range	40.5V~54V
Charge voltage	54V
undervoltage protection	40.5V
Recommend charge current	50A
Recommend discharge current	50A
Max. discharge current	100A
Communication	RS485 /CAN
IP rating	IP20
Cycle life	≥6000 cycles
Net weight	~38kg
Dimension(W*H*D)	442*420*133.5mm
Cell type	Lithium-iron phosphate (LiFePO ₄)
Design life	15 years
Charging Temperature	0~65℃
Discharging Temperature	-20~65℃
Relative humidity	5%~90%, No condensation
Install altitude	≤3000m
Install location	Indoor
Installation	Rack mounted
Certification	IEC62619 / UN38.3 / CE / CEC

[1] Test conditions: 90% depth of discharge (DOD), 0.2C rate charge & discharge at 25℃.
[2] System Usable Energy may vary different inverter brand.
[3] Derating occurs when the operating temperature from -10℃ to 10℃ & 40℃ to 50℃.



51.2V-200AH



Features

- Safe & Reliable**

High safety LiFePO₄ battery.
Compliance with IEC62619, UN38.3, CE, .
- Modular**

Support up to 16 units in parallel
- Ultra performance**

More than 6000 cycles, self-developed BMS/Cell/Pack to ensure best quality.

- Compact & Flexible**

standard height design.
- Compatibility**

Compatible with most hybrid/battery inverter in self-consumption, back-up and off-grid applications.
- Intelligence**

Strong pre-charge and balancing capability.
Remote data history & firmware upgrading function

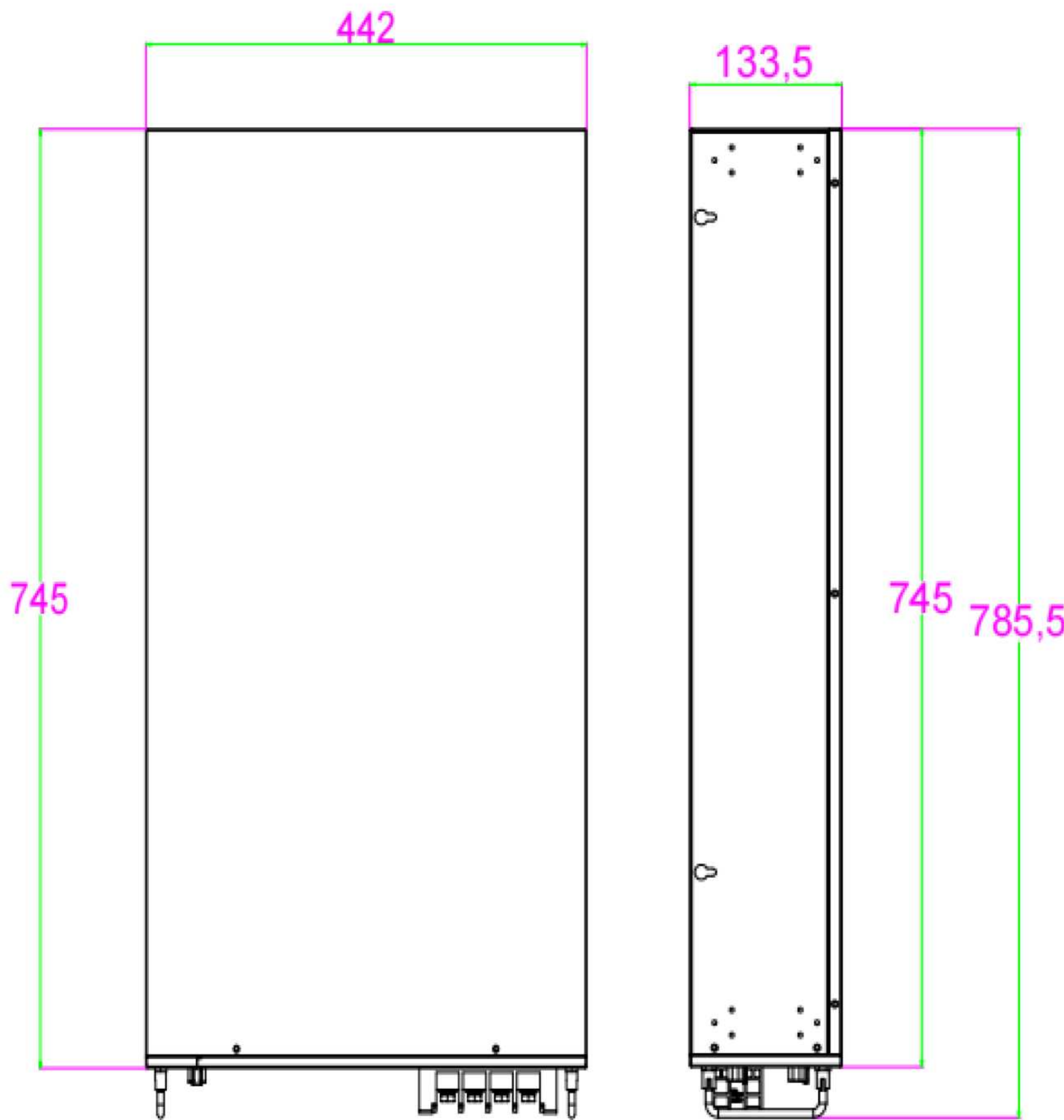
Parameters

Items	51.2V200AH (3U)
Nominal voltage	51.2V
Nominal capacity	200Ah
Nominal energy	10.24KWh
Max. voltage range	43.2V~57.6V
Charge voltage	57V
undervoltage protection	43.2V
Recommend charge current	100A
Recommend discharge current	100A
Max. discharge current	200A
Communication	RS485 /CAN
IP rating	IP20
Cycle life	≥6000 cycles
Net weight	~83kg
Dimension(W*H*D)	442*745*133.5mm
Cell type	Lithium-iron phosphate (LiFePO ₄)
Design life	15 years
Charging Temperature	0~65℃
Discharging Temperature	-20~65℃
Relative humidity	5%~90%, No condensation
Install altitude	≤3000m
Install location	Indoor
Installation	Rack mounted
Certification	IEC62619 / UN38.3 / CE / CEC

[1] Test conditions: 90% depth of discharge (DOD), 0.2C rate charge & discharge at 25℃.
[2] System Usable Energy may vary different inverter brand.
[3] Derating occurs when the operating temperature from -10℃ to 10℃ & 40℃ to 50℃.



48V-200AH



Features

- Safe & Reliable

High safety LiFePO₄ battery.
Compliance with IEC62619, UN38.3, CE, .
- Modular

Support up to 16 units in parallel
- Ultra performance

More than 6000 cycles, self-developed BMS/Cell/Pack to ensure best quality.

- Compact & Flexible

standard height design.
- Compatibility

Compatible with most hybrid/battery inverter in self-consumption, back-up and off-grid applications.
- Intelligence

Strong pre-charge and balancing capability.
Remote data history & firmware upgrading function

Parameters

Items	48V200AH（3U）
Nominal voltage	48V
Nominal capacity	200Ah
Nominal energy	9.6KWh
Max. voltage range	40.5V~54V
Charge voltage	54V
undervoltage protection	40.5V
Recommend charge current	100A
Recommend discharge current	100A
Max. discharge current	200A
Communication	RS485 /CAN
IP rating	IP20
Cycle life	≥6000 cycles
Net weight	~80kg
Dimension(W*H*D)	442*745*133.5mm
Cell type	Lithium-iron phosphate (LiFePO ₄)
Design life	15 years
Charging Temperature	0~65℃
Discharging Temperature	-20~65℃
Relative humidity	5%~90%, No condensation
Install altitude	≤3000m
Install location	Indoor
Installation	Rack mounted
Certification	IEC62619 / UN38.3 / CE / CEC

[1] Test conditions: 90% depth of discharge (DOD), 0.2C rate charge & discharge at 25℃.
[2] System Usable Energy may vary different inverter brand.
[3] Derating occurs when the operating temperature from -10℃ to 10℃ & 40℃ to 50℃.



Features

512V-100AH



Safe & Reliable
High safety LiFePO₄ battery.
Compliance with IEC62619, UN38.3, CE, .



Modular
Support up to 16 units in parallel



Ultra performance
More than 6000 cycles, self-developed BMS/Cell/Pack to ensure best quality.



Compact & Flexible
standard height design.



Compatibility
Compatible with most hybrid/battery inverter in self-consumption, back-up and off-grid applications.



Intelligence
Strong pre-charge and balancing capability.
Remote data history & firmware upgrading function

Parameters

Items	KT-512V100AH (3U)
Nominal voltage	512V
Nominal capacity	100Ah
Nominal energy	51.2KWh
Max. voltage range	432V~576V
Charge voltage	576V
undervoltage protection	432V
Recommend charge current	50A
Recommend discharge current	50A
Max. discharge current	100A
Communication	RS485 /CAN
IP rating	IP20
Cycle life	≥6000 cycles
Net weight	~420kg
Dimension(W*H*D)	442*420*1725mm
Cell type	Lithium-iron phosphate (LiFePO ₄)
Design life	15 years
Charging Temperature	0~65℃
Discharging Temperature	-20~65℃
Relative humidity	5%~90%, No condensation
Install altitude	≤3000m
Install location	Indoor
Installation	Stack/ Rack mounted
Certification	IEC62619 / UN38.3 / CE / CEC

[1] Test conditions: 90% depth of discharge (DOD), 0.2C rate charge & discharge at 25℃.
[2] System Usable Energy may vary different inverter brand.
[3] Derating occurs when the operating temperature from -10℃ to 10℃ & 40℃ to 50℃.



512V-314AH

Features

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Safe & Reliable
High safety LiFePO₄ battery.
Compliance with IEC62619, UN38.3, CE, .
- 

Modular
Support up to 16 units in parallel
- 

Ultra performance
More than 6000 cycles, self-developed BMS/Cell/Pack to ensure best quality.

- 

Compact & Flexible
standard height design.
- 

Compatibility
Compatible with most hybrid/battery inverter in self-consumption, back-up and off-grid applications.
- 

Intelligence
Strong pre-charge and balancing capability.
Remote data history & firmware upgrading function

Parameters

Items	KT-512V314AH (5U)	
Nominal voltage	512V	
Nominal capacity	314Ah	
Nominal energy	160KWh	
Max. voltage range	432V~576V	
Charge voltage	576V	
undervoltage protection	432V	
Recommend charge current	100A	
Recommend discharge current	100A	
Max. discharge current	200A	
Communication	RS485 /CAN	
IP rating	IP20	
Cycle life	≥6000 cycles	
Net weight	~602kg	~630kg
Dimension(W*H*D)	442*750*1310mm	442*750*1560mm
Cell type	Lithium-iron phosphate (LiFePO ₄)	
Design life	15 years	
Charging Temperature	0~65℃	
Discharging Temperature	-20~65℃	
Relative humidity	5%~90%, No condensation	
Install altitude	≤3000m	
Install location	Indoor	
Installation	Stack/ Rack mounted	
Certification	IEC62619 / UN38.3 / CE / CEC	

[1] Test conditions: 90% depth of discharge (DOD), 0.2C rate charge & discharge at 25℃.
[2] System Usable Energy may vary different inverter brand.
[3] Derating occurs when the operating temperature from -10℃ to 10℃ & 40℃ to 50℃.