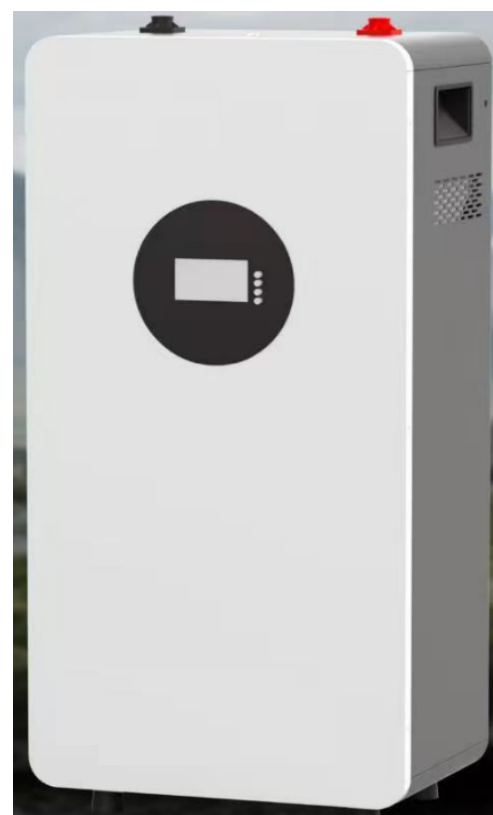




without a screen



with a screen

51.2V/314AH

Features



Safe & Reliable

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



Modular

Support up to 16 units in parallel, scale from 10kWh to 160kWh configuration without external controller.



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	51.2V/314AH
Nominal voltage	51.2V
Nominal capacity	314Ah
Nominal energy	16KWh
Max. voltage range	44.8V~58.4V
Charge voltage	58.4V
Float voltage	57.6V
Recommend charge current	< 150A
Max. charge current	≤200A
Recommend discharge current	< 150A
Max. discharge current	≤200A
Communication	RS485 /CAN
Peak discharge current	200A@3mins
IP rating	IP20
Cycle life	≥6000 cycles
Net weight	~112kg
Dimension(W*H*D)	740*395*250mm
Cell type	Lithium-iron phosphate
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	Floor mounted
Certification	UN38.3 / CE /

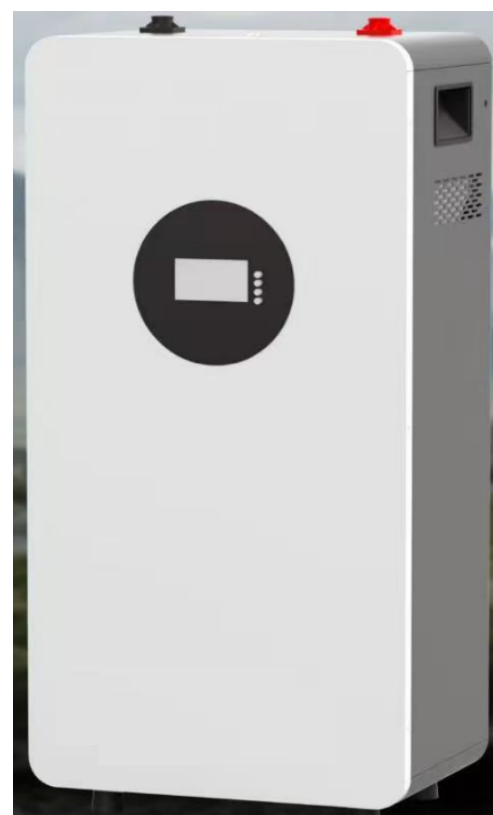
[1] Test conditions: 90% depth of discharge (DOD), 0.2C rate charge & discharge at 25℃.

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

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



without a screen



with a screen

48V/314AH

Features



Safe & Reliable

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



Modular

Support up to 16 units in parallel, scale from 10kWh to 160kWh configuration without external controller.



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

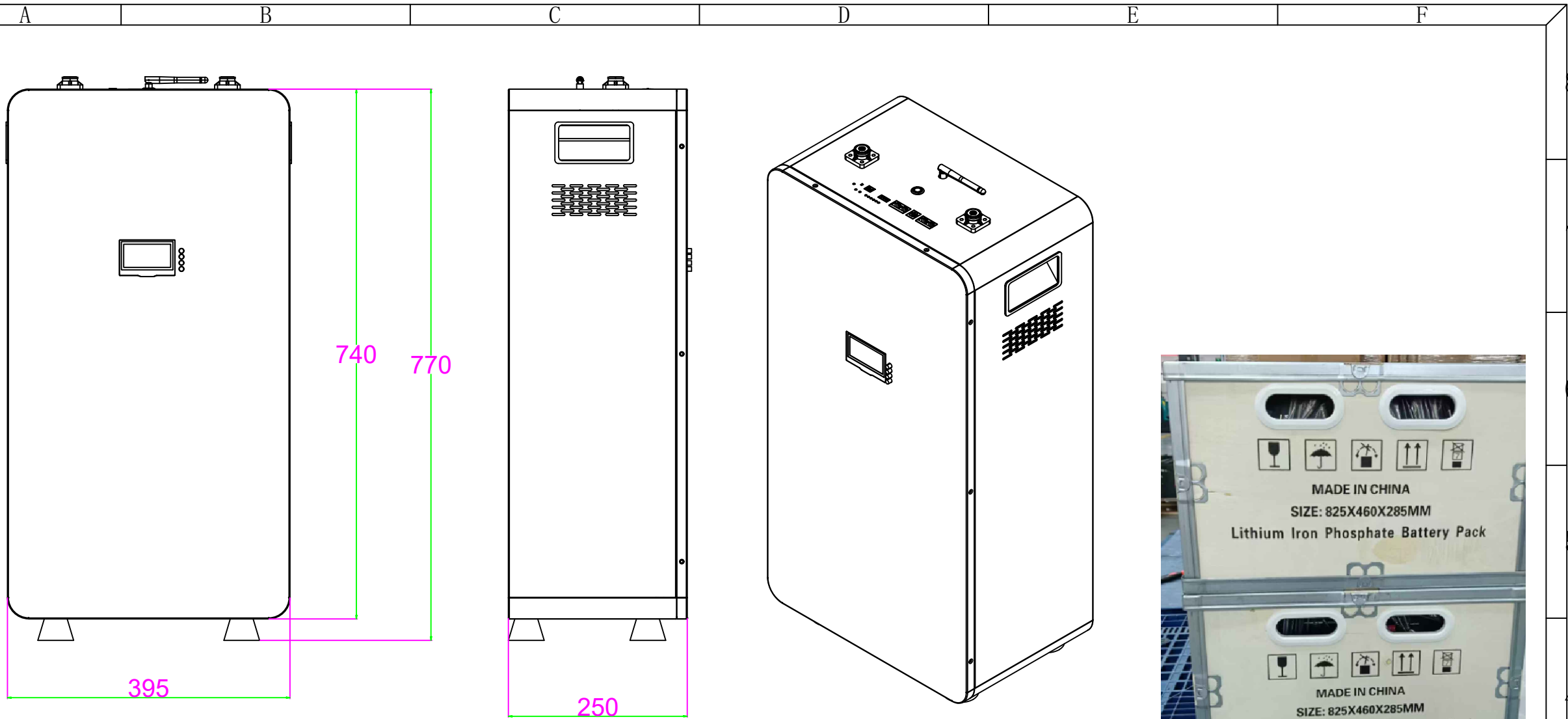
Parameters

Items	48V/314AH
Nominal voltage	48V
Nominal capacity	314Ah
Nominal energy	15KWh
Max. voltage range	42V~54.75V
Charge voltage	54.7V
Float voltage	54V
Recommend charge current	< 150A
Max. charge current	≤200A
Recommend discharge current	< 150A
Max. discharge current	≤200A
Communication	RS485 /CAN
Peak discharge current	200A@3mins
IP rating	IP20
Cycle life	≥6000 cycles
Net weight	~105kg
Dimension(W*H*D)	740*395*250mm
Cell type	Lithium-iron phosphate
Design life	15 years
Charging Temperature	0~65°C
Discharging Temperature	-20~65°C
Relative humidity	5%~90%, No condensation
Install altitude	≤3000m
Install location	Indoor
Installation	Floor mounted
Certification	UN38.3 / CE

[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.

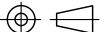


型号：48V314Ah/51.2V314Ah



打包方式

48V-314	净重105KG	毛重115KG	木箱尺寸 825*460*285mm 木箱底座130mm
51.2V-314	净重112KG	毛重122KG	

NO	DESCRIPING	材质	SGCC镀锌板	页码	1/1
0~50 ±0.10 51~100 ±0.15 >100 ±0.25		图号	/	设计	
		日期	2025年05月21日	审核	
视角		版本	/	批准	
比例	1:1	重量	/		
腾腾新能源技术（温州）有限公司					