



## 512V-314AH

### Features



#### Safe & Reliable

High safety LiFePO<sub>4</sub> 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	512V314AH	
Nominal voltage	512V	
Nominal capacity	314Ah	
Nominal energy	160.768KWh	
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 <sub>4</sub> )	
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	Stack/ Rack mounted	

[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.



Rack mounted



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