

Residential Low Voltage Battery  
**51.2V 314Ah**



**Project case**

Here are some project cases of our residential lithium battery systems.



**Electrical Characteristics**

Model	Hi-16L
Battery cell category	LiFePO4
Battery cell	3.2V314Ah
Nominal Voltage	51.2V
Nominal Capacity	16.08kWh
Usable Capacity	14.47kWh
Charge/Discharge Current	157A(0.5C)
Max.Charge/Discharge Current	220A(0.7C)@60s
Max. charge voltage	58.4V
Min. Discharge Voltage	40V
Max. recommended DOD	90%
Cooling Type	Natural cooling
Operating Temperature	0°C~45°C
Storage Temperature	-20°C~45°C
Humidity	5~95% (No condensed water)
Cycle Life	6000 cycles@25°C operating temperature, 90%DOD
Communication	CAN/RS485
Protection Mode	Triple hardware protection
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage
Max. Number In Parallel	16pcs
Installation	Floor installation
Case Material	Metal+Plastic
Protection Class	IP20
Weight	122kg
Dimension(W*D*H)	530*242*877mm
Warranty	5years
Packaging information	90pcs in a 20GP container; 180pcs in a 40GP container
Certifications	CE,UN38.3,MSDS
Compatible inverter brand	SMA,SUNGROW,SUNSYNK,Sol-Ark,Solis,SolaX,Sofar,Deye,GOODWE,Growatt,Victron,Voltronic,Aiswei,Lux,Afore,Srne,Megarevo,Invnt,RENAC,TBB,etc

Here is the list of inverter brands compatible with our batteries.

