



Safer

Cobalt Free Lithium Iron Phosphate(LFP)Battery, safety and long lifespan, high efficiency and high-power density. Intelligent BMS, providing complete protection.



Reliable

Support high discharge power, module level Auto-balancing, under-voltage Automatic Restart.



Flexible

Modular design, easy to expand, Max capacity of 399.36kWh. Suited to residential and commercial applications for increasing the self-consumption ratio.



Convenient

Battery module auto networking, Automatic IP addressing, easy maintenance, remotely monitoring and upgrade, support CAN upgrade the firmware.



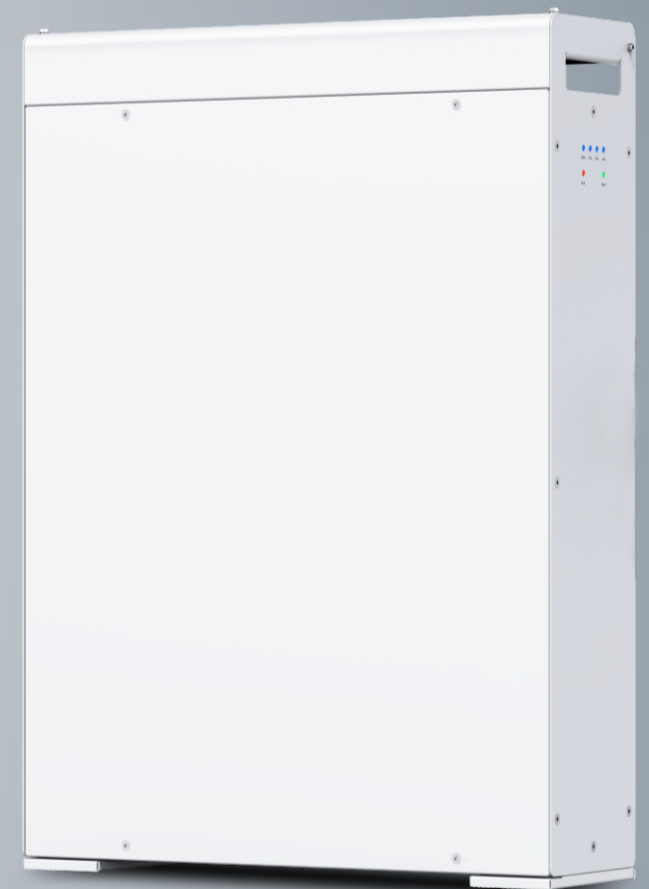
Eco-Friendly

Use environmental protection materials, the whole module non-toxic, pollution-free.



Multiple Installation Options

Wall-mounted, cabinet-mounted, floor-mounted, free design, suitable for different needs at the scene, and installation is simple and convenience.



Technical Data Main Parameter

Model	QS-LV200-W	2* QS-LV200-W	3* QS-LV200-W	4*QS-LV200-W
Total Energy [kWh]	10.24kWh	20.48kWh	30.72kWh	40.96kWh
Battery Module	LV200 51.2V 10.24kWh			
Number of Modules	1	2	3	4
Cell Type	LFP(LiFePO4)			
Nominal Voltage [V]	51.2V	51.2V	51.2V	51.2V
Operating Voltage Range [V]	40-58.4V	40-58.4V	40-58.4V	40-58.4V
Max Charge/ Discharge Current [A]	150A	240A	240A	240A
Continue Discharge Output [kW]	7.5kW	12kW	12kW	12kW
Dimension [W/D/H mm]	800*520*240mm(S BAT LV200)			
Weight Approximate [KG]	100KG	200KG	300KG	400KG

Other Parameter

Recommend Depth of Discharge	90%
LED Indicator	4 LED (SOC: 25%~100%, SOC blue), 2 LED (working green, alarming red)
IP Rating of Enclosure	IP40 (Indoor) & IP65 (Outdoor)
Operating Temperature	Charge: 0°C~50°C / Discharge: 0°C~50°C
Storage Temperature	0°C~35°C
Humidity	≤95%
Altitude	≤2000m
Cycle Life	10+years, 6000 cycles (90% DOD, 25°C)
Installation	Wall-mounted
Communication Port	Can2.0, RS485
Certification	UN38.3, IEC62619, UL1973

[1] DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.

[2] The current is affected by temperature and SOC.

Introduction

QueenSolar Residential Li-ion Battery System QS LV200 is a low voltage lithium battery with an integrated battery system that stores your energy for backup protection when the grid goes down. The compact, minimalist construction features versatile mounting options for in door or outdoor spaces.

This series is especially suitable for application scene of high power, limited installation space, restricted load-bearing and long cycle life.

This series has built-in BMS battery management system, which can manage and monitor cells information including voltage, current and temperature. What's more, BMS can balance cells charging and discharging to extend cycle life.

Multiple battery modules can connect in parallel to expand capacity and power for larger capacity and longer power supporting duration requirements.

System Components

Model

QS LV200

Battery Type	Life PO4 (LFP)
Nominal Voltage	51.2V
Nominal Capacity	200Ah
Nominal Energy	10.24kWh
Max Charge / Discharge Current	150A
Operating Temperature	0°C - 50°C
Storage Temperature	0°C - 35°C
Ingress Protection	IP40(Indoor) & IP65(Outdoor)
Dimension [W / D / H]	800*520*240mm
Weight Approximate	100KG

Battery System

Battery Type	Life PO4 (LFP)
Nominal Voltage	51.2V
Nominal Capacity	200Ah
Nominal Energy	10.24kWh
Max Charge / Discharge Current	150A
Operating Temperature	0°C - 50°C
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