



# Commercial High Voltage

76.8kWh

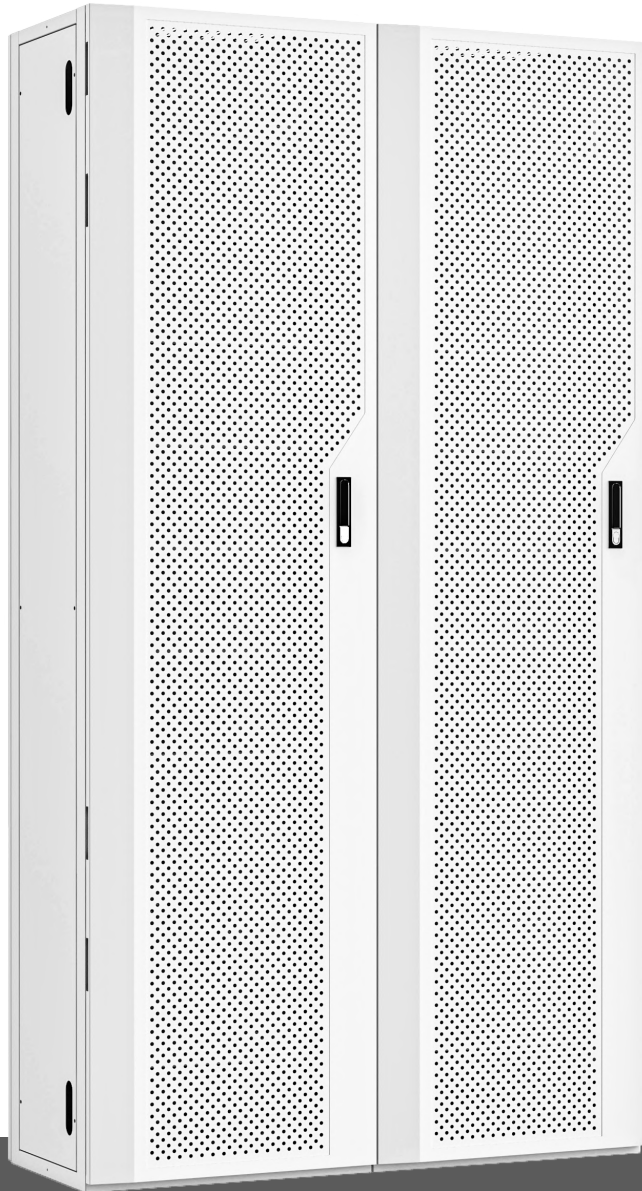
153kWh

230kWh

307kWh

384kWh

## LiFePO4 Rack Mounted Battery Modules with BMS



### Features



Modular designing



10,000 cycles at 90% DOD



200V-1000V flexible voltage designing



Compatible with Germany known EMS brand Smart1



Auto-address setting, plug in and play



Open interface for external control and management



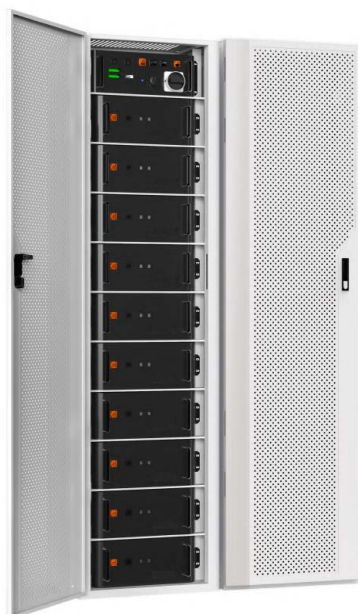
### ■ ■ ■ ■ Master BMS

Operation Voltage [Vdc]	200~1000
Max. Charge/Discharge Current [A]	100
Recommend Charge/Discharge Current [A]	100
Functions	Pre-charge, Over-Less Voltage/ /Over-Less Temperature Protection, Cells Balancing/SOC-SOH calculation etc.
Communication Protocol/Connector Type	CAN/RS485 ModBus, TCP/IP/ RJ45
Power Connection Type	Amphenol MC4
User Interface	LCD Display(Optional, need to be confirmed upon order)
Dimension [W*H*D mm]	465*180*356
Weight	10kg
Operating Temperature [ C ]	-20~55
Ingress Protection	IP21
Installation Method	Rack Mounted
Warranty	10 years

### ■ ■ ■ ■ Battery Module

Nominal Voltage/Capacity per Module	38.4V/3.84KWH
Expand Capability	Up to 21 Modules series at 806V/80.6KWH
DOD Recommended	90%
Max. Charge/Discharge Current [A]	100A Continual
Recommend Charge/Discharge Current [A]	100A Continual
Communication Protocol/Connector Type	CAN/ RJ45
Power Connection Type	Amphenol Original with lock
Dimension [W*H*D mm]	465*194*403.5 per module
Weight	34kg
Charge Temperature Range [ C ]	0~45
Discharge Temperature Range [ C ]	-20~55
Ingress Protection	IP21
Installation Method	Rack Mounted
Cables Connection Method	Connection at front
Warranty	10 years or 10,000 cycles @90% DOD

## Typical Configuration for UK



### 806V-80.6kWh Rack Datasheet

Nominal Capacity	80.6kWh
Nominal Voltage	806Vdc
Operation Voltage Range	630V~919V
Efficiency	96%
Suggested Depth of Discharge	90%
Dimension [W*H*D]	1250*2352*490mm
Weight	1000kG
Design Life	10 years+
Operation Temperature	0~50
Humidity	5%~95%
Altitude	<2000
Battery Modules	21*3.84kWh modules series connection
Address Setting	Slave Address Auto-setting
External Com. Ports	CAN2.0/RS485 ModBus
User Interface	PC Based Software
IP Protection	IP 21
Parallel Capability	Maximum 5 racks Parallel(Master BMS required)
Standards	UN38.3, IEC62619, CE

## Maximum 5 units 76.8kWh can be paralleled to realize bigger capacity

