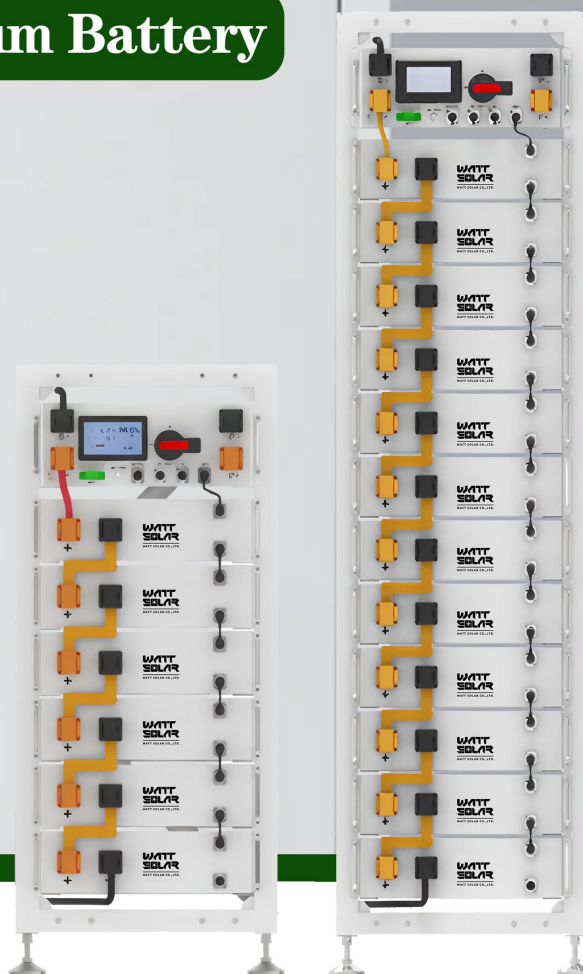


WS Rack High Voltage Lithium Battery

204.8V-614.4V 100AH

Wattsolar 20KWH-61.44KWH BESS , Maximum can be expanded to 983KWH. Designed specifically for home energy storage system and commercial field.



Product Advantages



≥8000 Cycles, Long Life

Long cycle life with tier 1 brand A grade cells and superior performance



Safety & Reliable

Very Safe and High Quality with LiFePO4 technology & Smart BMS



High Compatibility BMS

Seamless communication with most brands inverters



Expand Capacity Flexibly

Parallel to expand capacity easily up to 983kwh

Control Module information



Item	Basic Parameters	
	Related Product	1000V 120A
1	AC supply	--
2	System Operation Voltage (Vdc)	0-1000V
3	Nominal Current(A)	120
4	Self-consumption Power(W)	8
5	Dimension (W* D* H, mm)	450*460*177
6	Communication	RS485/CAN
7	Protection Class	IP20
8	Weight(KGS)	20
9	Operation Life	10+
10	Operation Temperature	-20~65
12	Storage Temperature	-40~80

Battery Module Information



No.	Product Type	WS51/100AH
1	Cell Technology	Li-ion(LFP)
2	Battery Module Capacity (KWH)	5.42
3	Battery Module Voltage (Vdc)	51.2
5	Battery Cell Voltage (Vdc)	3.2
6	Battery Cell Capacity (AH)	/100
7	Battery Module Cell Quantity in Series(pcs)	16
8	Battery Module Charge Voltage(Vdc)	57.6
9	Battery System Charge Current(Standard)	30
10	Battery Module Charge Current(Normal)	50
11	Battery Module Charge Current(Max)	
12	Battery Module Discharge Lower-Voltage(Vdc)	44.8
13	Battery System Discharge Current (Standard)	30
14	Battery Module Charge Current (Normal)	50
15	Battery Module Charge Current (Max)	/100
16	Efficiency	98%
17	Depth of Discharge	90%
18	Dimension(W*D*H, mm)	450*460*133(3U)
19	Communication	RS485
20	Protection Class	IP22
21	Weight	48
22	Operation Life	>10 years
23	Operation Cycle Life	>8000
24	Operation Temperature	0℃~50℃ Charge -10℃ ~50℃ Discharge
25	Storage Temperature	-20℃~60℃
26	Product Certificate	CE/IEC/UL
27	Transfer Certificate	UN38.3/MSDS

Performance Parameter

Basic Parameters	WS-51.2*N/100AH
Nominal Voltage (V)	51.2*N
Nominal Capacity (KWH)	5.42*N
Usable Capacity (KWH)	5.42*N*90%
Battery Controller Name	BSM/120A
Battery Module Name	WS
Battery Module Quantity	N
Battery Module Capacity(KWH)	5.12
Battery Module Voltage(V dc)	51.2
Battery Module Capacity (Ah)	/100
Battery System Charge Voltage(V dc)	56*N
Battery System Charge Current(Normal)	50
Battery System Charge Current (Max)	
Battery System Discharge lower-Voltage(Vdc)	48*N
Battery System Discharge Current (Standard)	50
Battery System Discharge Current(Normal)	100
Efficiency	96%
Depth of Discharge	RS485/RS232/CAN
Working Temperature	0℃~50℃ Charge -10℃ ~50℃ Discharge
Shelf Temperature	-20℃~60℃
Communicaiton	RS485/CAN
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	10 years+
Cycle Life	>8000
Other: 1) Battery Controller Dimensions (W*D*H) 2) Battery Module Dimensions(W*D*H)	450*460*177 450*460*133