



LITHI-VOLT

Outstanding 9000 cycles,
12 years warranty

NEW 144KWH 36KW
LiFePO4
Solar Battery System

Product Features

BESS- 144KWH 36KW

Now in Stainless Steel
Enclosure

Safe & Reliable

CE/MSDS/UN38.3/UL1973/IEC62619 certified

LiFePO4 most Safest lithium chemistry type

Inbuilt smart BMS with all protection

Top Quality & Powerful

CATL prismatic cells, brand new, grade A

Outstanding 9000cycles @ 80%DoD, 25°C, 0.5C

Luxpower Inverters 12KW-18KWPV

3 inverters is parallel makes a total of 36KW Choice of Single Phase 240V or 3 phase 208V.

Warranties: Enclosure 2 years, Inverters 10 years,
Lithium Batteries 12 years.



Website: <https://lithivolt.com>

Email: sales@lithivolt.com

Specifications

NO	Projects	Specification	Remark
Cell unit			
1	Battery types and materials	LiFePO4	
2	Rated voltage/capacity	3.2v 280Ah	CATL
3	Single battery voltage range	2.5V~3.65V	
4	Single battery weight	5Kg	
5	Battery internal resistance	≤ 0.6mΩ	
6	Battery Cell Size	173*74*113mm	
Battery Module			
1	Rated voltage	51.2V	16S
2	Rated capacity	280Ah	
3	Battery pack voltage range	40V~58.4V	
4	Total Energy	14.4kWh	
5	Combination	1P20S	
6	Operating temperature	-20 ~ 45°C	
7	Charging current	≤200A	
8	Discharge current	≤200A	
9	Battery Module size	440 x 866 x 225mm	
10	Installation Method	Rack mounted	
11	Communication	RS485/CAN/Ethernet	TCP/IP/MODBUS
Battery Cluster			
1	Battery Voltage	51.2V	
2.	Battery Capacity	2800AH	10P
3	Battery Energy	144KWH	
4	Battery module quantity	10pcs	
5	Warranty	12 Years	
Hybrid Inverter			
0	Inverter / brand	Hybrid-36KW	Luxpower 12KW*3

Specifications

1	Rated Output Power	36KW	Grid / UPS backup
2	AC Voltage	120/240Vac OR 208V 3P	
3	AC Frequency	60HZ	
4	AC Output Current	150A@120/240V Single phase 99A @208V 3Phase	
5	Output THDI	<2%	
6	AC PF	-0.8 ~ +0.8	
7	Switch time	<10ms	
8	THDu	<2%	
9	Surge Power / duration	110%/60s, 120%/30s, 150%/10s	
10	Support Generator	Yes	
11	Grid Connection Form	Split phase	3phase (3pcs)
12	Max PV Input Power	18KW	18KW*3 = 54KW
13	Max Pv Input Voltage	600Vdc	
14	MPPT Voltage Range	120-500Vdc	
15	Number of MPPT	3 per inverter Total 9	
16	Max PV input current per MPPT	(25/15/15) Per inverter	
17	Number of string per MPPT	2/1/1	
18	Warranty	10 years	

Physical

1	A/C	Cooling 3KW Heating 2KW	IVNT Brand
2	Enclosure	IP65 Stainless Steel 304	
3	Size	1800*1600*1900mm	71"L x 63"D x 75"H
4	Weight	~2430kg	+/- 5,560Lbs
5	System efficiency	>98.50%	
6	Noise Level	<65dB	
7	Altitude	<3000m	
8	Humidity Range	0-100%	