

OUR PROSPECTS

LVTOPSUN Vision-Become the best battery supplier in the world.
Our goal is to manufacture the best battery and make Lvtopsun battery
become the first choice for customers.



LVTOPSUN Battery

For Solar and UPS system
Germany Technology

LVTOPSUN Solar Technology Co.,Ltd

www.lvtopsun.com



PRODUCTION LINE

LVTOPSUN has strong R&D and production strength, world-class automation and automatic production line, and uses high-tech equipment and advanced technology.



COMPANY PROFILE

LVTOPSUN SOLAR Technology Co.,Ltd is big manufacturer and exports of solar battery, established in 2008.



As a professional manufacturer, our company has more than 10 years' experience in manufacturing and exporting solar battery.

Our products are widely recognized and trusted by users and can meet continuously changing economic and social needs.

We are increasingly expanding our international market share based on quality products, excellent service, reasonable price and timely delivery.

We have developed business in over 50 countries around the world, also hope to establish a win-win cooperative relationship with you in the near future.





More Usable Energy
Pack Level Active Balance

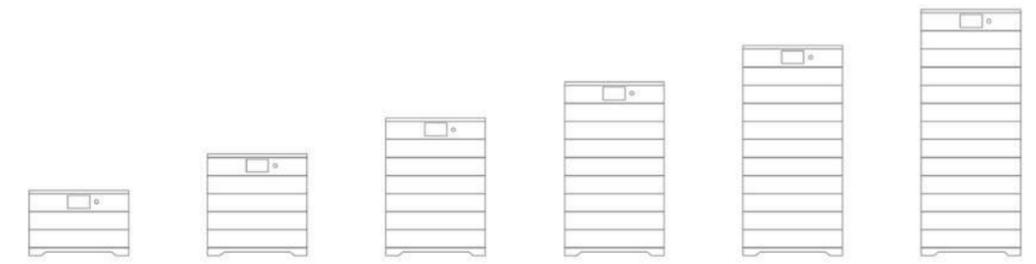
Flexible Investment
Scalable from 10.44 to 1002.24 kWh

Safe & Reliable
Lithium Iron Phosphate Cell

Easy Installation
20 kg Main Control
45 kg Battery Module

Quick Commissioning
Automatic Battery Interconnection

Perfect compatibility
Compatible with Major PCS Brand



Model	LVTS-5220 -HV2	LVTS-5220 -HV4	LVTS-5220 -HV6	LVTS-5220 -HV8	LVTS-5220 -HV10	LVTS-5220 -HV12
-------	----------------	----------------	----------------	----------------	-----------------	-----------------

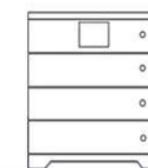
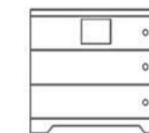
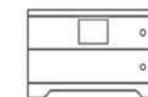
Performance						
Nominal Voltage (Vdc)	102.4	204.8	307.2	409.6	512	614.4
Operating Voltage (Vdc)	83.2 - 113.6	166.4 - 227.2	249.6 - 340.8	332.8 - 454.4	416 - 568	499.2 - 681.6
Nominal Capacity (Ah)	102					
Battery Energy (kWh)	10.44	20.88	31.32	41.76	52.20	62.64
Charge Current (A)	100					
Charge Power (W)	5120	10240	15360	20480	25600	30720
Discharge Current (A)	100					
Discharge Power (W)	8192	16384	24576	32768	40960	49152

Communication	
Display	4.3 inch (16:9) Touch Screen
Communication	CAN

General Specification						
Dimension (WxDxH mm)	620×380×506	620×380×783	620×380×1060	620×380×1337	620×380×1614	620×380×1891
Weight (kg)	110	200	290	380	470	560
Installation	Floor Stand					
Working Temperature	-20°C - 60°C					
Storage humidity	≤95% RH					
Warranty	10 years					
Max Operating Altitude	≤2000 m					
IP Rating	IP65					
Cell Technology	LiFePO ₄ , Lithium Iron Phosphate					
Cycle life	6000 Cycles @ 80% DoD / 25 °C / 0.5C, 60% EOL					
Scalability	Max 16 piles in parallel					

Standard Compliance(more available upon request)	
Certificates	CE, UN38.3

Ordering and Deliverable Part	
Product ordering part	LVTS-5220-HV Battery LVTS-5220-HV Main Control Level 3 Parallel Box



Model	LVTS 512100-1	LVTS 512100-2	LVTS 512100-3	LVTS 512100-4
-------	---------------	---------------	---------------	---------------

Inverter Module AIO-LS-5000W

Battery Input	48VDC,117A
Type Of Battery	Lead-Acid / Lithium
Rated Power	5000VA/5000W
AC Output	230VAC,50/60Hz,22A,1φ
AC Charger Mode	
AC Input	230VAC,50/60Hz,40A,1φ
Max.AC Charge Current	80A
Solar Charger Mode	
Max. PV Input Voltage(VOC)	450VDC
Max. PV Input Current	18A
MPPT Voltage Range	120~430VDC

Battery Module AIO-LVTS-512100

Nominal Voltage	51.2 Vdc			
Nominal Capacity	100 Ah	200 Ah	300 Ah	400 Ah
Battery Energy	5.12 kWh	10.24 kWh	15.36 kWh	20.48 kWh
Charge Voltage	55.68~56.16 Vdc			
Discharge Voltage	45.6~56.16 Vdc			
Max Charge Current	50A	100A	150A	200A
Max Charge Power	2500W	5000W	7500W	10000W
Max Discharge Current	100A	200A	200A	200A
Max Discharge Power	5000W	10000W	10000W	10000W
Short circuit current	350 A			
Display	SOC status indicator, LED indicator			
Communication	RS232,RS485,CAN			
Dimension(W×D×H mm)	650×380×365	650×380×503.5	650×380×642	650×380×780.5
Weight (Kg)	45kg	87.5kg	130kg	172.5kg
Working Temperature	-20 °C ~ 60 °C			
Storage Temperature	≥25 °C 12 months; ≤35 °C, 6 months; ≤45 °C, 3 months			
Cell Technology	LiFePO ₄ , Lithium Iron Phosphate			
Cycle life	6000 Cycles @ 90% DOD / 25 °C/ 0.5C, 60% EOL			
Scalability	Max15batteries in parallel			

Safe & Reliable

Premium Lithium Iron Phosphate Cell

High Energy Density

Proprietary CTP Technology

Flexible Investment

Scalable from 5.12 to 20.48 kWh

Easy Installation

Ground mounted or Wall mounted

Perfect Compatibility

Compatible with Major PCS Brand





 More Usable Energy 90% Depth of Discharge	 Flexible Investment 15.36kWh Modular Design Scalable from 15.36 to 967.68kWh	 Safe & Reliable Lithium Iron Phosphate Cell
 Easy Operation LCD Display + 4 buttons	 Quick Commissioning	 Perfect Compatibility Compatible with DEYE, GOODWE, GROWATT, SOLIS, SOFAR, LUXPOWER, TBB ... hybrid inverter

Model	LVTS-512300
-------	-------------

Performance	
Nominal Voltage	51.2 Vdc
Nominal Capacity	300 Ah
Battery Energy	15.36 kWh
Charge Current	150 A
Charge Power	7680 W
Discharge Current	200 A
Discharge Power	10240 W
Short Circuit Current	540 A

Communication	
Display	SOC status indicator, LED indicator, LCD Display
Communication	CAN, RS485, RS232

General Specification	
Dimension(W×D×H mm)	500 x 230 x 780 mm
Weight (kg)	120 kg
Installation	Floor Stand
Working Temperature	-20 °C ~ 60 °C
Operating / Storage Humidity	≤ 95% RH
Max Operating Altitude	≤2000 m
IP Rating	IP20
Cell Technology	LiFePO ₄ , Lithium Iron Phosphate
Cycle life	6000 Cycles @ 80% DoD / 25 °C / 0.5C, 60% EOL
Scalability	Max 63 batteries in parallel

Standard Compliance (more available upon request)	
Certificates	CE, UN38.3

Ordering and Deliverable Part	
Product ordering part	LVTS-512300 BaMery (Cable included)



More Usable Energy

90% Depth of Discharge



Flexible Investment

11.67kWh Modular Design
Scalable from 10.24 to 153.6kWh



Safe & Reliable

Lithium Iron Phosphate Cell



Easy Installation



Quick Commissioning



Perfect Compatibility

Compatible with DEYE, GOODWE,
GROWATT, SOLIS, SOFAR,
LUXPOWER, TBB... hybrid inverter

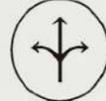


Model	LVTS-512228
Performance	
Nominal Voltage	51.2 Vdc
Nominal Capacity	228Ah
Battery Energy	11.67kWh
Charge Voltage	55.68-56.16 Vdc
Discharge Voltage	45.6-56.16 Vdc
Maximum Charge Current	100A
Maximum Discharge Current	160A
Maximum Charge Power	5120W
Maximum Discharge Power	8192W
Short circuit current	540A
Communication	
Display	LED indicator + LCD Display
Communication	RS232, RS485, CAN
General Specification	
Dimension(W×D×H mm)	465*186*695mm
Weight (Kg)	83.5kg
Installation	Floor stand or wall mounted
Working Temperature	-20℃ ~ 60℃
Storage Temperature	≤25℃, 12 months; ≤35℃, 6 months; ≤45℃, 3 months
Operating / Storage Humidity	≤ 95%RH
Max Operating Altitude	≤2000m
IP Rating	IP20
Cell Technology	LiFePO ₄ , Lithium Iron Phosphate
Cycle life	6000 Cycles @ 90% DOD / 25℃ / 0.5C, 60% EOL
Warranty	5 years
Scalability	Max 63 batteries in parallel
Ordering and Deliverable Part	
Product ordering part	LVTS-512228 battery (cable/wall mount included)



More Usable Energy

90% Depth of Discharge



Flexible Investment

10.24kWh Modular Design
Scalable from 10.24 to 153.6kWh



Safe & Reliable

Lithium Iron Phosphate Cell



Easy Installation



Quick Commissioning



Perfect Compatibility

Compatible with DEYE,GOODWE,
GROWATT,SOLIS,SOFAR,
LUXPOWER,TBB...hybrid inverter



Model	LVTS-512200
Performance	
Nominal Voltage	51.2 Vdc
Nominal Capacity	200Ah
Battery Energy	10.24 kWh
Charge Voltage	55.68-56.16 Vdc
Discharge Voltage	45.6-56.16 Vdc
Maximum Charge Current	120A
Maximum Discharge Current	170A
Maximum Charge Power	6144W
Maximum Discharge Power	8704W
Short circuit current	540A
Communication	
Display	LED indicator + LCD Display
Communication	RS232、RS485、CAN
General Specification	
Dimension(W×D×H mm)	465*186*695mm
Weight (Kg)	83.5kg
Installation	Floor Stand
Working Temperature	-20℃ ~ 60℃
Storage Temperature	≤25℃,12 months; ≤35℃,6 months; ≤45℃,3 months
Operating / Storage Humidity	≤ 95%RH
Max Operating Altitude	≤2000m
IP Rating	IP20
Cell Technology	LiFePO ₄ , Lithium Iron Phosphate
Cycle life	6000 Cycles @ 90% DOD / 25℃ / 0.5C, 60% EOL
Warranty	5 years
Scalability	Max 63 batteries in parallel
Ordering and Deliverable Part	
Product ordering part	LVTS-512200 battery (cable/wall mount included)



More Usable Energy

90% Depth of Discharge



Flexible Investment

4.8kWh Modular Design
Scalable from 4.8 to 72 kWh



Safe & Reliable

Lithium Iron Phosphate Cell



Easy Installation

Rack mounted or wall mounted



Quick Commissioning

Automatic ID Assignment



Perfect Compatibility

Compatible with DEYE, GOODWE,
GROWATT, SOLIS, SOFAR,
LUXPOWER, TBB ... hybrid inverter

Model	LV48100
Performance	
Nominal Voltage	48 Vdc
Nominal Capacity	100Ah
Battery Energy	4.8 kWh
Charge Voltage	52.2~52.65 Vdc
Discharge Voltage	42.75~52.65 Vdc
Nominal Charge / Discharge Current	50A
Nominal Charge / Discharge Power	2400W
Max Charge / Discharge Current	100A
Max Charge / Discharge Power	4800W
Short circuit current	350A

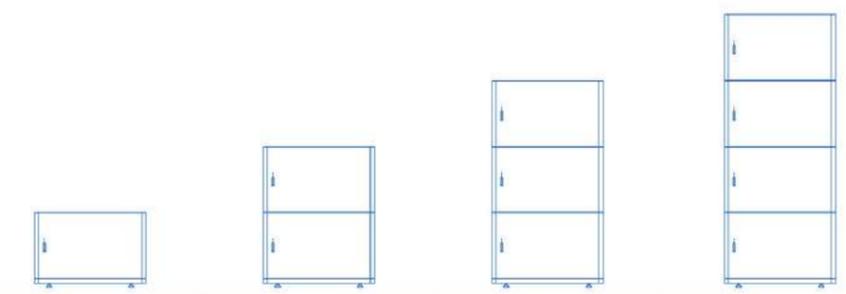
Communication	
Display	SOC status indicator, LED indicator
Communication	RS232、RS485、CAN

General Specification	
Dimension(W×D×H mm)	440×500×130mm
Weight (Kg)	40.5kg
Installation	Rack mounted or wall mounted
Working Temperature	-20℃ ~ 60℃
Storage Temperature	≤25℃,12 months; ≤35℃,6 months; ≤45℃,3 months
Operating / Storage / humidity	≤ 95%RH
Max Operating Altitude	≤2000m
IP Rating	IP20
Cell Technology	LiFePO ₄ , Lithium Iron Phosphate
Cycle life	6000 Cycles @ 90% DOD / 25℃ / 0.5C, 60% EOL
Warranty	5 years
Scalability	Max 15 batteries in parallel

Ordering and Deliverable Part	
Product ordering part	LV48100 battery (cable/wall mount included)



- Safe & Reliable**
Premium Lithium Iron Phosphate Cell
- High Energy Density**
Proprietary CTP Technology
- Flexible Investment**
Scalable from 5.12 to 20.48 kWh
- Easy Installation**
Ground mounted or Wall mounted
- Perfect Compatibility**
Compatible with Major PCS Brand



Model	LVTS 512100-1	LVTS 512100-2	LVTS 512100-3	LVTS 512100-4
Performance				
Nominal Voltage	51.2 Vdc			
Nominal Capacity	100 Ah	200 Ah	300 Ah	400 Ah
Battery Energy	5.12 kWh	10.24 kWh	15.36 kWh	20.48 kWh
Charge Voltage	55.68~56.16 Vdc			
Discharge Voltage	45.6~56.16 Vdc			
Max Charge Current	50A	100A	150A	200A
Max Charge Power	2500W	5000W	7500W	10000W
Max Discharge Current	100A	200A	200A	200A
Max Discharge Power	5000W	10000W	10000W	10000W
Short circuit current	350 A			
Communication				
Display	SOC status indicator, LED indicator			
Communication	RS232,RS485,CAN			
General Specification				
Dimension(W×D×H mm)	620 x145 x435mm	620 x145 x816mm	620 x145 x1197mm	620 x145 x1578mm
Weight (Kg)	45kg	87.5kg	130kg	172.5kg
Installation	Ground mounted or wall mounted			
Working Temperature	-20 °C ~ 60 °C			
Storage Temperature	≥25 °C 12 months; ≤35 °C, 6 months; ≤45 °C, 3 months			
Operating / Storage / humidity	≤95% RH			
Max Operating Altitude	≤2000m			
IP Rating	IP20			
Cell Technology	LiFePO ₄ , Lithium Iron Phosphate			
Cycle life	6000 Cycles @ 90% DOD / 25 °C / 0.5C, 60% EOL			
Scalability	Max 15 batteries in parallel			
Ordering and Deliverable Part				
Product ordering part	LVTS 512100 Battery LVTS 512100 Base + Power Cable LVTS 512100 Parallel Cable			



Flexible Investment

Scalable from 2.56 to 20.48 kWh



Safe & Reliable

Lithium Iron Phosphate Cell



Easy Maintenance

Easy Emergency Recharge

Model	LVTS-256100	LVTS-256200
Performance		
Nominal Voltage	25.6Vdc	
Nominal Capacity	100Ah	200Ah
Battery Energy	25.6V,100Ah,2.56kWh	25.6V,200Ah,5.12kWh
Charge Current	50A	100A
Charge Power	1280W	2560W
Discharge Current	100A	200A
Discharge Power	2560W	5120W
Short Circuit Current	≈2000A	
General Specification		
Dimension (W x D x H mm)	330×135×420mm	440×135×130mm
Weight (kg)	26kg	52kg
Installation	Wall Mount	
Display	LCD Display	
Working Temperature	-20 °C – 60 °C	
Operating / Storage	≤95% RH	
Max Operating Altitude	≤2000 m	
IP Rating	IP20	
Cell Technology	LiFePO ₄ , Lithium Iron Phosphate	
Cycle life	6000 Cycles @ 80% DoD / 25 °C / 0.5C, 60% EOL	
Scalability	Max 2 batteries in series Max 4 batteries in parallel	
Warranty	5 years	
Standard Compliance (more available upon request)		
Certificates	CE, UN38.3	
Ordering and Deliverable Part		
Product ordering part	LVTS-256100 Battery	



Model	LVTS-128100	LVTS-128200
Performance		
Nominal Ratings	12.8 V, 100 Ah, 1.28 kWh	12.8V,200Ah,2.56kWh
Bulk Charge V	14 V	
Float Charge V	13.8 V	
Low Voltage	12.8V	
Cutoff Voltage	11.6 V	
Charge Current	50 A	100 A
Discharge Current	100 A	200 A
Short Circuit Current	≈1000 A	≈2000 A
General Specification		
Dimension (W x D x H mm)	260 x 168 x 210 mm	520×168×210mm
Weight (kg)	9.85 kg	26kg
Working Temperature	-20 °C – 60 °C	
Operating / Storage	≤95% RH	
Max Operating Altitude	≤2000 m	
IP Rating	IP54	
Cell Technology	LiFePO ₄ , Lithium Iron Phosphate	
Cycle life	6000 Cycles @ 80% DoD / 25 °C / 0.5C, 60% EOL	
Scalability	Max 4 batteries in series Max 4 batteries in parallel	
Warranty	5 years	
Standard Compliance (more available upon request)		
Certificates	CE, UN38.3	
Ordering and Deliverable Part		
Product ordering part	LVTS-128100 Battery	



Flexible Investment

Scalable from 1.28 to 20.48 kWh



Safe & Reliable

Lithium Iron Phosphate Cell



LiFePO₄

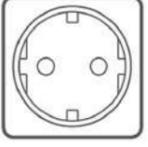
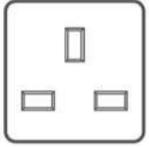
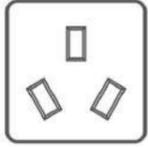
Grade A
LiFePO₄ cell



4.9kWh Battery
+
5KW Inverter



Easy
transportation

Model	LVTS-PPS5000
Battery	
Battery Energy	4.9 kWh
Max Charge Power	2400 W
Max Discharge Power	4800 W
Cell Technology	LiFePO ₄ , Lithium Iron Phosphate
Cycle Life	4000 Cycles @ 80% DoD / 25°C / 0.5C, 60% EOL
PV Input	
Max PV Array Power	5500 W
Max PV Current	22 A
Max PV Voltage	500 Vdc
MPPT Voltage Range	120 – 450 Vdc
AC Input	
AC Input Power	2200 W
AC Input Current	10 A
Input Voltage Range	180 – 280 Vac
AC Input Frequency	50 Hz
AC Output	
Rated Output Power	5000 W (SOL+BAT) 4000 W (BAT only)
AC Outlet Option	   EU:220V 50Hz UK:220V 50Hz AU:220V 50Hz
General Specification	
Dimension	652 x 450 x 235 mm
Weight	52.5KG
Working Temperature	0 – 55 °C
Standard Compliance(more available upon)	
Certificates	CE, UN38.3
Ordering and Deliverable Part	
Product Ordering Part	PPS 5000