51.2V WALL/FLOOR-MOUNTED LIFEPO4 SERIES

TS-LV5KWH

TS-LV11KWH

TS-LV16KWH



5kWh



11kWh



16kWh

PRODUCT FEATURES

Advanced LiFePO4 Technology
Lithium iron phosphate(LFP) Battery, longer cycle life, stable performance

Advanced Protection
Smart BMS & Protective Circuit Breaker Reliable protection against electric fault

Communication Compatibility
Support communicate to inverter via RS485/CAN

Reliable Power
Up to 15 years service life

Flexible Configuration
Support up to 16 units in parallel

Versie 1.4 (11-09-2026)

topsmart

Model	TS-LV 5KWH	TS-LV11KWH	TS-LV16KWH
Battery Chemistry	Lithium iron phosphate (LiFePO4)		
Rated Voltage(V)	51.2		
Operating Voltage Range(V)	43.2-57.6		
Charge/Discharge Cut-off Voltage(V)	58.4/43.2		
Capacity(Ah)	100	230	314
Energy(Wh)	5120	11770	16076
Cycle Life	6000 Cycles (@80% DoD, 25℃/0.5C)	6000 Cycles (@80% DoD, 25℃/0.5C)	8000 Cycles (@80% DoD, 25℃/0.5C)
Max. CHG/DSCHG Current(A)	100	200	200
Dimension(L*W*H,mm)	580*480*230	625*476*267	857*500*267
Weight Approximate(KG)	57	96	112
Communication Port	RS485, CAN	RS485, CAN, RS232	RS485, CAN, RS232
Parallel Connection	Up to 16 units in parallel		
Protection Level	IP55		
Charge Temperature Range	0℃~60℃		
Discharge Temperature Range	-20℃~60℃(Under 0℃ work with reduced capacity)		
Storage Temperature Range	-40℃~55℃ @ 60±25% relative humidity		
Cell configuration:	16S1P LFP 3.2V		
Safety	IEC62619 (cellen)		
EMC	EN 61000-6-3, EN 61000-6-1		
Recommended charge voltage(V)	57.0		
Recommended charge current(A)	<= 50		
Short-circuit and safety features	Overcharge protection, Overdischarge protection, Overcurrent protection, Short circuit protection, Cell balancing, Temperature protection		
Inverter Compatibility	Victron, DEYE, Growatt, Solis, Sofar, Goodwe, etc		
Warranty	6 Years (warranty or cycle life, whichever comes first)		