

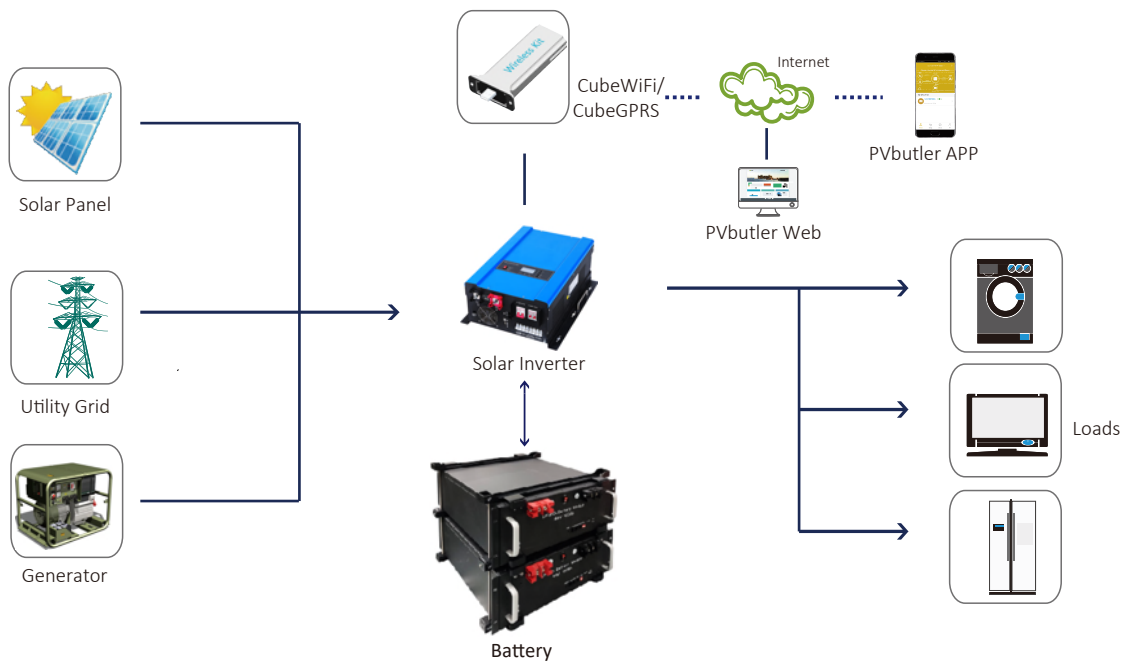
STE SERIES | Lithium Battery

Main Features:

- With high quality LFP cells
- High energy density, compact design
- Over 6000 cycles @ 80% DOD, long lifespan
- Intelligent BMS, with full protection
- With bracket included, easy to install



Solar Energy Storage System:



Specifications

Model		STE 48100L-TC-1
Nominal voltage		48V (LFP-15S)
Nominal Capacity		100Ah
Nominal Energy		4800Wh
Max. Charge Voltage		54.75 ± 0.2V
Float Charge Voltage		51.75 ± 0.2V
Allowed Max. Charge Current		100A (1C) @20°C ≤ T < 45°C
Recommended Charge Current		≤50A (0.5C)
Allowed Max. Discharge Current		100A (1C)
Peak Discharge Current / Time		120A / 3S
End of Discharge Voltage		37.5V @T > 10°C, 33.0V @0°C < T ≤ 10°C, 30.0V @T ≤ 0°C
Cycle Life (@ 0.2C)		≥6000 cycles @ 80% DOD, ≥3000 cycles @ 100% DOD
IP Rating		IP20
Communication Mode		RS485
Dimension		482.6 (438.6) x 177.8 x 480 mm
Weight (No Accessories)		48 kg
Operation Temperature	Charge	0°C ~ 55°C
	Discharge	-20°C ~ 55°C
Self-Discharge Rate	Residual Capacity	≤3%/Month; ≤15%/ year
	Recover Capacity	≤1.5%/Month; ≤8%/ year
Storage Environment	≤1 month	-20 ~ +60°C、5 ~ 75%RH
	≥3 month	-10 ~ +45°C、5 ~ 75%RH
	Recommend Environment	15 ~ 35°C、5 ~ 75%RH