

TRIEX.

powered by Trisun Energies

Energy Storage Solution
5.12kWh

TXL-5.12

Low Voltage Battery



KEY FEATURES



100Ah
Rated Capacity



6000
Lifecycle



LiFePO₄
Battery



Protection Class
IP20



90% Depth
of Discharge



5 Years Product
5 Years Service



Wall
Mounted Design



Superior Safety
and Stability

ADVANCED BMS

Engineered For Seamless Integration And
Reliable Performance



CERTIFICATES



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TECHNICAL PARAMETERS

Battery Module	5.12kW
Cell Model	LFP 3.2V 100Ah
Combination mode	16S1P
Rated Energy	5.12KWh
Useable Energy	4.86kWh
Rated Capacity	100Ah @0.5C@25°C
Rated Voltage	51.2V
Voltage Range	43.2~57.6V
Rated Charge/Discharge Current	50A (0.5C)
Max Charge/Discharge Current	100A (1C)
Cycle Life	≥6000 cycles @70%EOL@80%DOD@0.5C/0.5C@25°C
Operation Temperature Range	Charge: 0~55°C Discharge: -20~55°C
Storage Conditions	≤3months @-20~45°C ≤6 months @0~35°C
Relative Humidity	5~95%
Altitude	≤4000m
Protection Grade	IP20
Installation Mode	Wall Mounted / Floor Mounted
Firefighting (Optional)	Aerosol
Max. Parallel Numbers	16
Communication	CAN / RS485
Dimensions (WxHxD mm)	460*160*550, ±2
Weight (kg)	51±2kg
Certificates	CE, UN38.3

Note:

1. Value for Battery Cell Only (Depth of Discharge 90%) Actual usable energy at the AC output may vary by condition, such as the battery converter inverter efficiency and temperature.
2. TRIEX recommends 50A charge/discharge for maximum battery lifetime. Current and power may derate with temperature and SOC.