

# TRIEX.

powered by Trisun Energies

Energy Storage Solution  
2.56kWh

**TE-A2.56**

Low Voltage Battery



## KEY FEATURES



100Ah  
Rated Capacity



6000  
Lifecycle



LiFePO<sub>4</sub>  
Battery



Protection Class  
IP65



90% Depth  
of Discharge



Warranty  
5 Years



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  | TE-A2.56                              |
|---|---------------------------------------|
| Rated Energy(kWh) <sup>1</sup>                        | 2.56                                  |
| Usable Energy(kWh) <sup>1</sup>                       | 2.3                                   |
| Cell Type   | LEP (LifePO <sub>4</sub> )            |
| Cell Configuration                                    | 8                                     |
| Rated Capacity (Ah)                                   | 100                                   |
| Nominal Voltage (V)                                   | 25.6                                  |
| Operating Voltage Range (V)                           | 20~28.8                               |
| Recommend Voltage Range (V)                           | 22.4~28.4                             |
| Recommend Charge/<br>Discharge Current (A)            | 50                                    |
| Recommend Charge/<br>Discharge Power (kW)             | 1.28                                  |
| Max.Charging/<br>Discharging Current (A) <sup>2</sup> | 100                                   |
| Max.Charging/<br>Discharging Power (kW) <sup>2</sup>  | 2.56                                  |
| Weight (kg)   | 28                                    |
| Dimensions (WxHxD mm)                                 | 350*260*180                           |
| Communication   | CAN                                   |
| Operating Temperature (°C)                            | Charge: 0 ~ +50; Discharge: -20 ~ +50 |
| Operating Temperature (Recommended) (°C)              | 15~30                                 |
| Relative Humidity                                     | 5%~95%                                |
| Cycle Life  | >6000 (25°C @ 77°F)                   |
| Recommend DOD   | 90%                                   |
| Environment   | Indoor                                |
| Cooling   | Natural Convection                    |
| Ingress Protection Rating                             | IP65                                  |
| Max. Operating Altitude (m)                           | 2000                                  |
| Mounting Method                                       | Wall mounted                          |
| Certificates  | UN38.3, MSDS                          |
| Product Warranty                                      | 5 Years Warranty                      |

## 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.