

# TRIEX. Series

Energy Storage Solution

5.12kWH



LOW VOLTAGE BATTERY  
**TE - A05**

# TECHNICAL PARAMETERS

Battery Module	TE-A05
Rated Energy(kWh) <sup>1</sup>	5.12
Usable Energy(kWh) <sup>1</sup>	4.6
Battery Module Energy	5.12kWh
Cell Type	LEP (LifePO <sub>4</sub> )
Cell Configuration	16S1P
Rated Capacity (Ah)	100
Nominal Voltage (V)	51.2
Operating Voltage Range (V)	40~57.6
Recommend Voltage Range (V)	44.8~56.8
Recommend Charge/ Discharge Current (A)	75
Recommend Charge/ Discharge Power (kW)	3.84
Max.Charging/ Discharging Current (A) <sup>2</sup>	100
Max.Charging/ Discharging Power (kW) <sup>2</sup>	5.12
Weight (kg)	48
Dimensions (WxHxD mm)	454*585*135
Communication	RS485,RS232,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	Outdoor/Indoor (*Please refer to the user manual for installation condition)
Cooling	Natural Convection
Ingress Protection Rating	IP65
Max. Operating Altitude (m)	2000
Mounting Method	Wall mounted
Certificates	UN38.3
Product Warranty	5 Years Warranty

## Note:

- 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.
- Triex recommends 50A@25kW for maximum battery module lifetime Max dis-/charge current and power derating will occur related to temperature and SOC