

31.3kwh

HORIZON by Trina Battery

Terra-51612



Product Features

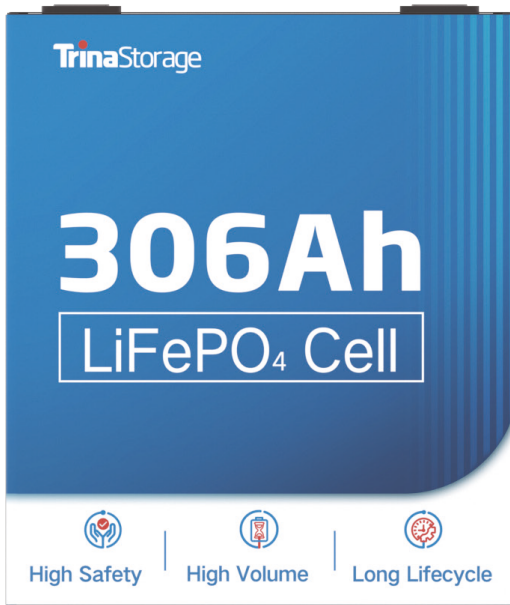
- Huge storage
- Safe LiFePO4 rechargeable battery
- High usable energy ratio
- less self-consumption
- LED touch display
- Wide compatibility with all inverters in market

| Technical Data | 31.334kwh Horizon by Trina Battery |
|--|---|
| Warranty | 10 Years |
| Cell Type | Trina 306AH X32 |
| Battery Type | LifePO4, Lithium ion phosphate |
| Model | Terra - 51612 |
| Nominal Energy (Wh) | 31334.4 |
| Nominal Capacity (Ah) | 612 |
| Nominal Voltage (V) | 51.2 |
| Operation Voltage Range (V) | 40~58.4 |
| Recommend Discharge/Discharge Current (A) | 250 |
| Max. Continuous charge/Discharge Current (A) | 250 |
| Peak Discharge Current(A) for 10sec | 500 |
| Max. Parallel Quantities (pcs) | 15 |
| Operation Temperature | 2.5~3,65 (Cell Temperature $T > 0^{\circ}\text{C}$) 2.0~3,65 (Cell Temperature $T \leq 0^{\circ}\text{C}$) |
| Protection Degree | IP51 |
| Dimension (mm) | 954Wx245Dx710H |
| Net Weight (kg) | 218 |
| Installation | Wall mounted and Floor - standing |
| Communication | CAN, RS485, RS232 |
| Cycle Life | > 12000 Cycles(25°C, 0.5C/0.5C) |



Comprehensive system certification

- ISO9001: Quality System Certificate
- ISO14001: Environment management Certificate
- ISO45001: Occupational Health and Safety Management System



| | | TSC306 |
|-------------------------|--------|--|
| Parameters | | |
| Cell Chemistry | | LFP |
| Nameplate Capacity | AH | 306 |
| Rated Energy | Wh | 979.2 |
| Rated P-Rate | P | 0.5 |
| Rated Voltage | V | 3.2 |
| Rated Current | A | 153 |
| DC-DC RTE | \ | 95% |
| Operating Voltage Range | V | 2.5~3.65 (Cell Temperature T > 0°C) 2.0~3.65 (Cell Temperature T ≤ 0°C) |
| Weight | kg | 5.6±0.15 |
| Dimensions (D * W * H) | mm | 71.7*174.4*207.4 |
| Impedance (1kHz) | mΩ | 5.6±0.15 |
| Energy Density | Wh/kg | 174.8 |
| Cycle Performance | cycles | ≥12000(0.5P) 25°C, @70%SOH |

Disclaimers:
This product leaflet is as comprehensive and detailed as possible on the basis of existing information, data, parameters and other information the company reserves the right to modify.
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