



- The modular lithium battery is equipped with intelligent BMS for each battery pack to manage modules effectively
 - Compared with the traditional module, TommaTech Lithium Battery exceeds the capacity storage and greatly enhances the cycle life
 - Safe lithium iron phosphate battery cell
 - Compact size ultralight module
 - Each module is equipped with an independent BMS system
 - Practical pull ear design improves operation convenience
- Compact design for using in both Hybrid and Off-Grid solar power systems
 - The modular battery is widely used in energy storage and electrical products. Household energy storage systems, centralized power station energy storage system

| MODEL | TT-MDL-48V-50Ah | TT-MDL-48V-100Ah |
|--|---|------------------|
| Battery Technology | LiFePO ₄ | |
| Nominal Battery Energy [kWh] | 2.4 | 4.8 |
| Nominal Capacity [Ah] | 50 | 100 |
| Nominal Voltage [V] | 48 | |
| Charging Cut-Off Voltage [V] | 54 | |
| Discharging End-Off Voltage [V] | 42 | |
| Recommend C Rate [C] | 0.5 | |
| Recommended Charge/Discharge Current [A] | 25 | 50 |
| Max.Power Charge/Discharge Current [A] | 50 | 75 |
| Peak Power Charge/Discharge Current [A] | 100 (15s) | |
| Net Weight [kg] | 22 | 45 |
| Dimension [WxDxH] [mm] | 480x405x90 | 504x597x155 |
| Charging Temp. Range [°C] | 0 ~ 50 | |
| Discharging Temp. Range [°C] | -20 ~ 50 | |
| Communication | CAN / RS485 / RS232 | |
| Certification & Safety Standard | TUV / CE / EN62619 / IEC62040 / UN38.3 / CEC Accredited / LIL 1973 / C E 1-021 | |
| Warranty | 10 Years | 5 Years |
| Compatible Inverters | TommaTech / Goodwe / Victron / Imeon / Solis / Luxpower / Growatt / GMDE Solar / Voltronic / Deye | |
| OTA Function-Remote Upgrade | Yes | |
| Life Span | 6000 Cycles | 3500 Cycles |
| Protection Level | IP20 | |

* TommaTech GmbH reserves the right to change the specification of product without prior notice.