

# T-MAX

## COMMERCIAL AND INDUSTRIAL ENERGY STORAGE SYSTEM

The T-MAX Series accommodates "All-in-one" design philosophy, integrating battery with longevity, intelligent BMS, high performance PCS, preventive safety system, smart distribution system and heat dissipation management system into one standard container for standardized manufacturing (for outdoor application) and simpler installation.



**100kW**



### SAFETY

Compartmentalized design with a preventive alarm system.



### ECONOMIC

Zero power loss through efficient temperature control and frequency variation.



### INTELLIGENT

Offers multiple operation modes, including Peak Shaving, Load Shedding, PV-Storage Energy Control, and Frequency Regulation. Operating data can be transmitted to Fox ESS Cloud via Wi-Fi, 4G or 5G.



### AUGMENTABLE

Preconfigured during manufacturing, plug and play onsite. Capable of parallel connection upgrades for flexible system size application.

## TECHNICAL SPECIFICATIONS

| MODEL                            | TM215kWh-100kW-2hF                                                                                 |
|----------------------------------|----------------------------------------------------------------------------------------------------|
| BATTERY MODULE DATA              |                                                                                                    |
| Battery Type [V/Ah]              | LFP 3.2/280                                                                                        |
| Battery Pack Energy [kWh]        | 53.76                                                                                              |
| Battery System Energy [kWh]      | 215                                                                                                |
| Operating Voltage Range [V]      | 672 ~ 876                                                                                          |
| Number of Temperature Sensors    | 128                                                                                                |
| Battery Pack Protection Level    | IP67                                                                                               |
| AC DATA                          |                                                                                                    |
| Rated Output Power [kW]          | 100                                                                                                |
| Peak Output Power [kW]           | 110                                                                                                |
| Max. AC Input/Output Current [A] | 167                                                                                                |
| THDi [%]                         | <3                                                                                                 |
| Nominal Voltage [Vac]            | 380/400, 3L/N/PE                                                                                   |
| Power Factor                     | >0.99                                                                                              |
| Adjustable Power Factor Range    | -1 ~ 1 (leading ~ lagging)                                                                         |
| Nominal Frequency [Hz]           | 50/60                                                                                              |
| GENERAL DATA                     |                                                                                                    |
| Round Trip Efficiency [%]        | >89                                                                                                |
| DOD [%]                          | 0 ~ 100                                                                                            |
| Cycle Life                       | ≥8000@70%EOL                                                                                       |
| Communication Interfaces         | Ethernet                                                                                           |
| Ingress Protection               | IP55                                                                                               |
| Corrosion Protection             | Standard C4, Optional C5                                                                           |
| Fire Protection                  | Aerosol                                                                                            |
| Cooling Type                     | Liquid cooling                                                                                     |
| Altitude [m]                     | ≤3000                                                                                              |
| Operating Temperature [°C]       | -25 ~ 55                                                                                           |
| Operating Humidity [%]           | 0 ~ 95 (No condensation)                                                                           |
| Full Power Noise [dB]            | <70 @1m                                                                                            |
| Dimensions (W*H*D) [mm]          | 1040*2200*1500                                                                                     |
| Weight [kg]                      | <2500                                                                                              |
| Grid Code                        | CEI 0-21, CEI 0-16, EN 50549-1, EN 50549-2, EN 50549-10, TOR type A, C11/10, G99                   |
| Safety/EMC                       | IEC 62619, IEC 60730-1 appended H, IEC 62477-1, IEC 61000-6-2,<br>IEC 61000-6-4, UN 38.3, UL 9540A |