

Product Specifications¹

Model	TI-250-880
Electrical Specifications	
Battery Technology	Lithium-ion / LFP
C-Rate (charge/discharge)	0.5C / 0.5C
DC Current Rating	180A*8
Battery Efficiency	98%
Installed Capacity	884.73kWh
Usable Capacity	782.5kWh
Rated Power	187.5kW
DC Voltage	614.4V
DC Voltage Operation Range	537.6V - 700.8V
Cycle Life²	5000Cycles @ 80% EoL (0.5C/0.5C, 25°C)
Auxiliary AC Voltage	480V, 3 Phase
Nominal AC Frequency	50 / 60Hz (configurable)
Mechanical Specifications	
Enclosure	NEMA 1 relevant (Indoor Cabinet)
Dimensions (W x D x H)³	1000*750*2050mm*8
PCS Dimensions (W x D x H)	1200*800*2100mm
Operating Temperature	0°C to 45°C
System Weight	9600kg
Thermal Runaway Protection	Yes
Enclosure Color	Customizable
Communications	
Integrated Microgrid Control	Yes
Network	TCP/MODBUS/RS485
Certifications	
Safety and grid interface	UL1642, UL1741, UL1973, UN38.3

¹In the interests of continual product improvement, specifications are subject to change without notice. Please contact us for the latest specifications.

²The cell cycle life is the number of full charges and discharges the cell is capable of while retaining the specified capacity at the end. Actual life depends on factors such as (but not limited to):

- (i) operating temperature
- (ii) quality of maintenance of the system
- (iii) frequency of use
- (iv) time duration spent at different battery states.

³An additional 0.9m clearance on all sides of the battery energy storage system should be provided for maintenance access.

⁴Actual grid input requirement will depend on factors such as (but not limited to):

- (i) actual equipment electrical requirements.
- (ii) utilization/duty cycle.
- (iii) daily duration of availability of input power supply.
- (iv) state-of-health and age of the BESS.
- (v) duration of daily construction site operations.



Picture shown is for illustration purposes only. Actual product may vary due to product or design enhancement.

Features



Modular Off-the-Shelf Approach

Scalable from 70kWh-5MWh+, with selections of over 300 power output designs starting from 30kW, offering great flexibility in C&I applications



IoT & Cloud-based Operation

Remote operation and prevention system reduces troubleshooting



Dynamic Rate Support

Charge/Discharge rate from 30 minutes to 10+ hours



Adaptable Solutions

Bidirectional AC/DC PCS with on, off, or on & off grid connected system within a flexible enclosure



Extended Operational Life

Retention of system's useable capacity after 10+ years with ability to augment the system



Leading Sustainability

Offerings include a Fire Suppression System with low/zero emissions