# SunTera G3
# 6.25MWh
## Energy Storage System

The Jinko ESS 6.25 MWh energy storage system leverages our latest liquid-cooled technology and high-capacity 588 Ah $LiFePO_4$ cells to achieve industry-leading energy density, safety, and efficiency. Engineered for grid-scale applications, it maximizes storage capacity and long-term reliability in a standardized 20-foot container layout.

### Intelligent Liquid Cooling for Thermal Stability

Features a serpentine multi-parallel flow channel design that maintains a cell temperature difference of less than 2.5°C. Multiple cooling control modes optimize rmal management and reduce auxiliary system ver consumption.

### Enhanced System E ciency

Implements a rack-level energy management scheme, increasing RTE (Round-Trip Efficiency) by over 1%.

configurations (back-to-back or side-by-side) to maximize energy density and adapt to site layout.

### Comprehensive Safety Architecture

ipped with five-tier protection from cell to system l to prevent thermal runaway. Combines gas ction and water-based fire suppression in a hybrid osion-proof system for enhanced hazard containment.

### Smart O&M & Flexible Deployment

### Solar-Storage Integration

Seamlessly combine solar PV generation with energy storage to optimize self-consumption, maximize renewable utilization, and ensure a continuous, stable power supply.

### Grid Support Services

### Energy Market Participation

