

# 20-FT 4.47MWH/5MWH CONTAINERIZED C&I ESS

## YJC-PowerCube-20G-4.47/-20G-5.0



**HIGH ENERGY DENSITY, COMPACT DESIGN**

Delivers 4.472 MWh (3.2V 280Ah) or 5.016 MWh (3.2V 314Ah) in a standard 20-ft container, providing large-scale storage with a minimal footprint and fast deployment.



**SUPERIOR SAFETY PROTECTION**

Pack-level fire protection, early thermal runaway warning, targeted fire suppression, Grade 3 short-circuit defense, and Grade 4 active safety mechanisms ensure all-round system safety.



**LONG LIFESPAN & RELIABILITY**

In-house developed cells, BMS, and EMS with a designed service life of 15+ years. Cell temperature difference <2.5°C and system temperature rise <5°C, extending lifespan by 20%.



**PEAK SHAVING & ENERGY ARBITRAGE**

Supports peak shaving, valley filling, energy trading, and frequency regulation, delivering both economic benefits and grid stability.



**WIDE COMPATIBILITY & EASY INTEGRATION**

Compatible with multiple fire protection standards and adaptable to diverse electrical system designs, ensuring flexible application across industries.



**HIGH SOC ACCURACY**

SOC error <1% under standard conditions, enabling precise charge/discharge management, better utilization, and responsive grid services.



**INTELLIGENT OPERATION & REMOTE MANAGEMENT**

Real-time cloud monitoring, remote control, smart dispatching, energy tracking, predictive maintenance, and early fault warnings for safe, efficient operation.

|                            |                                     |
|----------------------------|-------------------------------------|
| Product Model              | YJC-PowerCube-20G-4.47              |
| Battery Parameters         |                                     |
| System Capacity            | 4472.4 kWh                          |
| Rated Voltage              | 1331.2 V                            |
| Single Cluster Capacity    | 372.7 kWh                           |
| Number of Battery Clusters | 12                                  |
| Charge/Discharge Rate      | 0.5P                                |
| Cooling Method             | Liquid Cooling                      |
| Fire Suppression System    | Perfluorooctane / Hexafluoropropane |
| General Parameters         |                                     |
| Dimensions (W×D×H)         | 6058 × 2438 × 2896 mm               |
| Weight                     | 41 t                                |
| Operating Temperature      | -30 ~ 55 °C                         |
| Communication Interface    | RS485, CAN, Ethernet                |

|                            |                                     |
|----------------------------|-------------------------------------|
| Product Model              | YJC-PowerCube-20G-5.0               |
| Battery Parameters         |                                     |
| System Capacity            | 5016 kWh                            |
| Rated Voltage              | 1331.2 V                            |
| Single Cluster Capacity    | 418 kWh                             |
| Number of Battery Clusters | Clusters 12                         |
| Charge/Discharge Rate      | 0.5P                                |
| Cooling Method             | Liquid Cooling                      |
| Fire Suppression System    | Perfluorooctane / Hexafluoropropane |
| General Parameters         |                                     |
| Dimensions (W×D×H)         | 6058 × 2438 × 2896 mm               |
| Weight                     | 42 t                                |
| Operating Temperature      | -30 ~ 55 °C                         |
| Communication Interface    | RS485, CAN, Ethernet                |