

POWER CESS 200 US

### **RELIABLE POWER SUPPLY**

- 233 kWh outdoor-rated cabinet storage system
- All-in-one solution

## SAFE TECHNOLOGY

- Multi-level protection
- Lithium iron phosphate (LFP) chemistry provides highest level of safety, thermal stability and reliability
- Preinstalled liquid cooled RCT Power Battery modules
- Integrated multi-level battery management system (BMS) assures optimized and well-balanced power storage

#### **ENERGY MANAGEMENT SYSTEM**

- Back-up power
- Peak shaving
- Micro-grids
- Demand mitigation
- Rate arbitration
- Self-consumption

# **POWER CESS 200 US**

# INDUSTRIAL CABINET ENERGY STORAGE SYSTEM



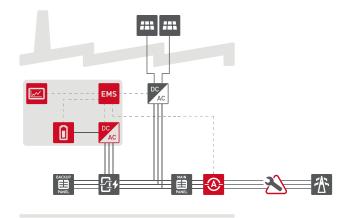






#### **SMART & HIGH FFFICIENCY**

- Highly efficient AC/DC inverter
- Smart energy monitoring cloud platform for remote monitoring and control
- Intelligent charging and reduction of peak loads
- High degree of performance
- Multi-parallel system supported



## **POWER CESS**

## 200 US

| Nominal capacity        | 233 kWh                                      |
|-------------------------|--|
| Usable capacity         | 217.9 kWh                                    |
| Battery technology      | LFP  |
| Charge / discharge rate | 0.5 P (constant power)                       |
| Cooling method          | liquid cooling                               |
| BMS                     | integrated                                   |
| Rated DC voltage        | 832 V  |
| DC voltage range        | 715 Vdc - 928 Vdc                            |
| Battery life cycle      | >6000 times @77°F+36°F 93.5% DOD 80% SOH FOI |

#### **INVERTER**

| Operating voltage range (DC connection) | 500 Vdc - 950 Vdc      |
|---|------------------------|
| Rated DC current                        | 140 A                  |
| Rated AC power                          | 125 kW                 |
| Rated AC current                        | 150 A                  |
| AC line voltage range                   | 422Vac~528Vac, 3P+N+PE |
| Rated AC line frequency                 | 60 Hz                  |
| Rated AC line voltage                   | 480 Vac 3P+N+PF        |

#### **ENERGY MANAGMENT SYSTEM**

| EMS Ope | nEGrid Apollo™ (optional) |
|---------|---------------------------|
|---------|---------------------------|

#### COMMUNICATION

| Communication protocol | Modbus TCP                 |
|------------------------|----------------------------|
| Touch panel            | 15.6 " industrial standard |
| Cloud                  | Yes                        |
| App                    | Yes                        |

#### OPERATION

| 01 210 01010                |                         |  |
|-----------------------------|-------------------------|--|
| Noise Level                 | ≤75dB@1m                |  |
| Relative operating humidity | 0-95 %, no-condensation |  |
| Operating temperature range | -13 °F ~ +113 °F        |  |
| Operating altitude          | ≤ 6500 ft               |  |

#### DIMENSIONS (TOTAL)

| Dimensions (W x H x D) | 63 x 87 x 51 inches |
|------------------------|---------------------|
| Weight                 | aprox 7275 lbs      |

## SAFTEY / STANDARDS

| Protection      | IP54/NEMA 3R  |   |  |
|-----------------|---|---|--|
| Safety features | a. Flammable / explosive gas detection<br>b. Flammable / explosive gas exhaust<br>c. Smoke detection<br>d. Temperature detection  | e. Aerosol fire extinguish<br>f. Siren and strobe alarm<br>g. Emergency stop button<br>h. Dry pipe and sprinkle |  |
| Certification   | UL1973, UN38.3, UL60730-1, UL9540A, UL9540, NFPA 69, UL 1741 Supplement SB - 3rd Edition, UL 1741 Supplement SA - 3rd Edition, SunSpec compliant, California Rule 21 compliant, IEEE2030.5, IEEE1547-2018, IEEE1547.1-2020, OpenADR |   |  |

#### WARRANTY

| WARRANTT |          |  |
|----------|----------|--|
| Warranty | 10 years |  |



