



POWER CESS 1500

# POWER CESS 1500 AC

## INDUSTRIAL CONTAINER ENERGY STORAGE SYSTEM



### RELIABLE POWER SUPPLY

- 1491 kWh outdoor-rated container storage system
- AC coupled system

### SAFE TECHNOLOGY

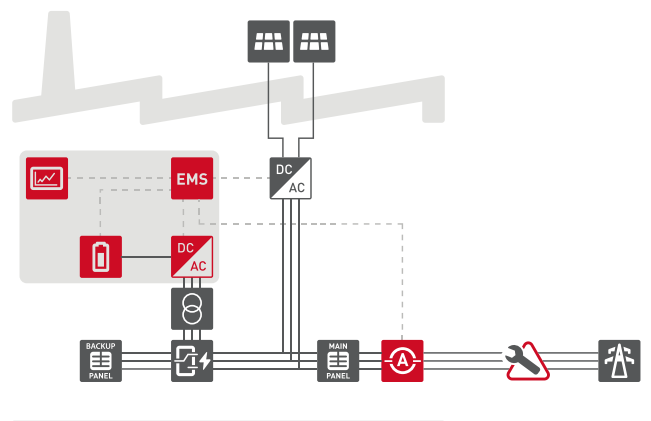
- Multi-level protection
- Lithium iron phosphate (LFP) chemistry provides highest level of safety, thermal stability and reliability
- Preinstalled liquid cooled RCT Power Battery modules
- Integrated multi-level battery management system (BMS) assures optimized and well-balanced power storage

### ENERGY MANAGEMENT SYSTEM

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

### SMART & HIGH EFFICIENCY

- 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

## 1500 AC

### BATTERY

Nominal capacity	1491 kWh
Usable capacity (90 % DoD)	1342 kWh
Battery technology	LFP
Charge/discharge rate	0.5 P (constant power)
Cooling method	liquid cooling
BMS (battery management system)	integrated
Rated voltage	1331 Vdc
Voltage range	1144 Vdc - 1485 Vdc
Battery life cycle	≥ 6000 times @ 25 °C ±2 °C 0.5 P charge / discharge energy retention 80 % SOH

### INVERTER

Max AC power	822.8 kW (205.7 kW x 4)
Rated AC power	748kW (187 kW x 4)
Grid Transformer	not included
DC-side operating voltage range	1060 - 1500 Vdc
Max AC current	688 A (172 A x 4)
AC line voltage	690 Vac (- 15 % to 10 %)
Rated AC line voltage	690 Vac
Rated AC line frequency	50 Hz
Current harmonics	< 3 % @ rated AC power

### ENERGY MANAGEMENT SYSTEM

EMS	integrated
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### COMMUNICATION

Touch panel	15,6" industrial standard
Communication protocol	Modbus TCP
Cloud	yes
App	yes

### OPERATION

Relative operating humidity	0-95 %, no-condensation
Operating temperature range	-30°C~+45°C
Operating altitude	≤ 2000 m

### DIMENSIONS

Dimensions (W x H x D)	2991 x 2896 x 2438 mm
Weight	aprox 16600 Kg

### SAFTEY / STANDARDS

Protection	IP54
Safety features	a. Flammable / explosive gas detection b. Flammable / explosive gas exhaust c. Smoke detection d. Temperature detection e. Aerosol fire extinguish f. Siren and strobe alarm g. Emergency stop button h. Dry pipe and sprinkle i. Fire alarm control panel
Certification	EN IEC 62619, EN IEC 63056, EN 62477-1, EN 61000-6-2/-4, UN38.3, EN IEC 60730-1, EN 62109-1/-2, EN 62477-1, EN 61000-6-2/-4, EN 62933-5-2, NRS097-2-1/BESF, VDE-AR-N 4105, VDE-AR-N 4110, CE declaration

### WARRANTY

Warranty	10 years
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