

BUZ 3700 CESS



DC CONTAINER Commercial Energy Storage System



RELIABLE POWER SUPPLY

- Max. 3700 kWh outdoor-rated container storage system
- DC or AC coupled system
- Backup power for grid outages
- Individual power control system (PCS)

SAFE TECHNOLOGY

- 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
- Multi-level protection

ENERGY MANAGEMENT SYSTEM

- Optional EMS OpenEGrid ApolloTM: Software made in USA with energy trading, DER control, demand mitigation and rate arbitration function

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

UNIQUE FLEXIBILITY

- Modular, scalable design for precise project sizing
- Flexible battery capacity and power output

BATTERY

Nominal capacity	2236 kWh (6 racks, pcs) / 2981 kWk (8 racks, pcs) / 3727 kWh (10 racks, pcs) 3727 kWh (10 racks, no pcs)
Usable capacity (90 % DoD)	2012 kWh (6 racks, pcs) / 2683 kWk (8 racks, pcs) / 3354 kWh (10 racks, pcs) 3354kWh (10 racks, no pcs)
Battery technology	LiFePO4
Charge/discharge rate	0.5 C
Battery pack type	1P52S liquid cooled
BMS	integrated
Backup function	Yes
Battery life cycle	≥ 6000 times @ 77 °F ±36 °F 0.5 C

COMMUNICATION

Communication protocol	Modbus TCP
Cloud	yes
App	yes

OPERATION

Relative operating humidity	0-95 %, no-condensation
Operating temperature range	-30 °C...+50 °C
Operating altitude	≤ 2000 m

DIMENSIONS

Dimensions (L x H x D)	6058 x 2896 x 2438 mm
Weight	aprox. 34 to

SAFETY / STANDARDS

Protection	IP54/NEMA 3R	
Safety features	a. Hydrogen detector b. Explosion-proof exhaust c. Smoke /temperature detection	d. Aerosol fire extinguish e. Emergency button f. Horn and strobe alarm g. Hydrant pipe
Certification	UL60730 / UL9540 / UL9540A / UL9541 / UL 1741 Supplement SA / UN1973 / UN38.3 / SunSpec compliant	

WARRANTY

Warranty	10 years
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