



EMPOWERING SUSTAINABLE ENERGY

CITAGLOBAL GENETEC BESS

## 3.7MWh Container ESS



## FEATURES

- ❖ Pre-assembled container ESS design
- ❖ Support parallel connection for higher capacity
- ❖ Smart liquid cooling system
- ❖ Higher efficiency and optimized battery life cycle
- ❖ Easy system expansion
- ❖ Easy transportation and O&M
- ❖ Quick installation and commissioning
- ❖ 3-level battery management system
- ❖ Battery performance monitoring & logging
- ❖ DC/AC power safety circuit integrated
- ❖ Full turn-key BESS solution
- ❖ Grid forming, Grid following and Off-grid operation

## TECHNICAL DATA

| SYSTEM                               | MYB-3727L2000  |
|--------------------------------------|--|
| <b>BESS</b>                          |  |
| Battery Cell                         | LFP  |
| Rated DC Voltage                     | 1,331.2 VDC  |
| DC Voltage Range                     | 1,164.8 VDC - 1,497.6 VDC  |
| BESS Capacity                        | 3,727.6 kWh  |
| BESS Configuration                   | 10P 416S   |
| Cooling System                       | Smart Liquid Cooling   |
| Operating Temperature Range          | -10°C - 55°C   |
| Maximum Charge/Discharge             | 0.5C   |
| Relative Humidity                    | 5 - 90%  |
| Maximum Working Altitude             | 3000 m   |
| Fire Suppression System              | FM-200 (HFC-227)   |
| Dimension (L * W * H)                | 6,058 * 2,438 * 2,896 mm   |
| Weight (Tonne)                       | ≤ 35 T   |
| Communication Interfaces             | Ethernet   |
| Communication Protocols              | Modbus/TCP   |
| Installation Environment             | Indoor/Outdoor   |
| Protection Degree                    | IP54 (or above upon request)   |
| Certification                        | UL9540, UL9540A, UL1973, IEC 62619, IEC 62477, IEC 62933, IEC 63056, IEC 61000, UN3536 |
| <b>POWER CONVERSION SYSTEM (PCS)</b> |  |
| Rated AC Output Power                | 2,000 kW   |
| Max. AC Output Power                 | 2,000 kVA  |
| Max Output Current                   | 1,674 A  |
| Rated Output Voltage                 | 690 VAC  |
| Nominal Grid Frequency               | 50Hz / 60Hz  |
| Dimension (L * W * H)                | 6,058 * 2,438 * 2,896 mm   |
| Weight (Tonne)                       | ≤ 15 T   |
| Maximum THDi                         | <3 % (at nominal power)  |
| Protection Degree                    | IP54 (or above upon request)   |
| Certification                        | UL1741, IEEE1547   |
| <b>TRANSFORMER</b>                   |  |
| Capacity                             | 2,000 kVA  |
| Output Voltage                       | 0.69 / 0.4 to 11kV   |
| Nominal Grid Frequency               | 50Hz / 60Hz  |