



EMPOWERING SUSTAINABLE ENERGY

CITAGLOBAL GENETEC BESS



## 3.72MWh 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
- ❖ System safety certified to **UL9540**
- ❖ 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