



EMPOWERING SUSTAINABLE ENERGY

CITAGLOBAL GENETEC BESS

215kWh/100kW BESS



## FEATURES

- ❖ Pre-assembled modular all-in-one 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
- ❖ Grid forming, Grid following and Off-grid operation
- ❖ Quick installation and commissioning
- ❖ 3-level battery management system
- ❖ Battery performance monitoring & logging
- ❖ Independent charge/discharge capability
- ❖ DC/AC power safety circuit integrated
- ❖ Full turn-key BESS solution



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## TECHNICAL DATA

SYSTEM	MYB-215L100
<b>BESS</b>	
Battery Cell	LFP
Rated DC Voltage	768 VDC
DC Voltage Range	648 VDC – 876 VDC
BESS Capacity	215 kWh
BESS Configuration	1P 240S
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)	2,400 * 1,780 * 2,646 mm
Weight (Tonne)	≤ 4 T
Communication Interfaces	Ethernet
Communication Protocols	Modbus/TCP
Installation Environment	Indoor/Outdoor
Protection Degree	IP54 (or above upon request)
Certification	UL9540A, UL1973, IEC 62619, UN38.3
<b>POWER CONVERSION SYSTEM (PCS)</b>	
Rated AC Output Power	100 kW
Max. AC Output Power	110 kVA
Max Output Current	151 A
Rated Output Voltage	400 VAC
Output Voltage Range	380 VAC – 440 VAC
Nominal Grid Frequency	50Hz / 60Hz
Maximum THDi	<3 % (at nominal power)
Power Factor	-0.9 to +0.9
On / Off-grid Switching Time	< 100 ms