



EMPOWERING SUSTAINABLE ENERGY

CITAGLOBAL GENETEC BESS

372kWh Modular ESS



FEATURES

- ❖ Pre-assembled modular 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

TECHNICAL DATA

SYSTEM	MYB-372L200	MYB-745L400	MYB-1118L600	MYB-2236L1200
BESS				
Battery Cell	LFP			
Rated DC Voltage	1,331.2 VDC			
DC Voltage Range	1,164.8 VDC - 1,497.6 VDC			
BESS Capacity	372 kWh	745 kWh	1,118 kWh	2,236 kWh
BESS Configuration	1P 416S	2P 416S	3P 416S	6P 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)	1,300 * 1,300 * 2,300 mm (per BESS cabinet)			
Weight (Tonne)	≤ 3.5 T (per BESS cabinet)			
Communication Interfaces	Ethernet			
Communication Protocols	Modbus/TCP			
Installation Environment	Indoor/Outdoor			
Protection Degree	IP54 (or above upon request)			
Certification	UL9540A, UL1973, IEC 62619, IEC 62477, IEC 62933, IEC 63056, IEC 61000, UN38.3			
POWER CONVERSION SYSTEM (PCS)				
Rated AC Output Power	200 kW	400 kW	600 kW	1,200 kW
Max. AC Output Power	220 kVA	440 kVA	660 kVA	1,320 kVA
Max Output Current	184 A	368 A	552 A	1,104 A
Rated Output Voltage	690 VAC			
Output Voltage Range	607 VAC – 759 VAC			
Nominal Grid Frequency	50Hz / 60Hz			
Maximum THDi	<3 % (at nominal power)			
Protection Degree	IP54 (or above upon request)			
Certification	UL1741, IEEE1547			
TRANSFORMER				
Capacity	200 kVA	400 kVA	600 kVA	1,200 kVA
Output Voltage	0.69 / 0.4 to 11kV			
Nominal Grid Frequency	50Hz / 60Hz			