



2.8 and 3.6MWh BESS Container

Features:

-  Integration with other energy sources
-  Modular design for custom systems
-  Power stabilisation due to fast response time
-  Bi-directional power flow
-  Configurable charge /discharge scheme to suit demand
-  3 Tier BMS
-  Optional remote monitoring
-  Fault tolerance protection
-  Active Cooling

2.8 and 3.6MWh BESS Container Specs

Storage Capacity	2.8MWh	3.6MWh
DC operating voltage	990V-1445V	
Nominal Discharge/ Charge current per container	1256A	1413A
Nominal Discharge/ Charge current	140A	157A
Nominal Battery Power		0.5C
(Max) Battery Power		0.5C
Cycle life	>8000 Cycles	

2.8 and 3.6MWh BESS Container Specs

AC Input/Output Data		
Inverter Model	BI-69-215	
Rated output	860 kW	1290 kW
Rated nominal voltage	690Vac	
Overload Capability – 30 Min (110%)	946 kW	1419kW
Overload Capability – 10 Min (115%)	988 kW	1484kW
Overload Capability – 1 Min (120%)	1032 kW	1548kW
Voltage Range	-15% to +10% Around Nominal Voltage (3/PEN)	
Rated Frequency	50/60Hz	
Reactive power	0 - 100% Smax / 0.6 ind. -0.6 cap	
Grid Connected Current THD	<3%	
Efficiency: Maximum European CEC	98.1% 97.1% 97.2% *	
Operational Data		
Protective Functions	Overload Overcurrent Protection Anti-Islanding Under/Overvoltage Over/Under Frequency	
Ambient Temperature	Operating Range: 0C to 50C	
Minimum Distance form Coast	2000m	
Cooling	120 000 BTU	
Communication interfaces	RS485 [Modus RTU] Ethernet 100BaseTX [Modus TCP/IP] CAN	
Mechanical Data		
Protection class	IP55	
Dimensions HxWxD, mm Weight	2900 × 2560 × 9000mm 23500kg	2900 × 2560 × 9000mm 29500kg
Certification Data		
Safety Grid Connection EMC EMI	IEC 62109-1/-2 NRS 097 IEC 61000-6-4 & IEC 50065-1 IEC 61000-4-2,3,4,5,6,8 * Touch-Proof Plugs Isolation Resistance Measurements Integrated DC Disconnect Integrated Fuses **	

* For inverter only

** For battery only