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WEESS

BODENSEE 232

Containerized Energy Storage Solution
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232kWh All-in-one Cabinet Parallel Operation

DATASHEET (EN)



* COMBINER CABINET DATASHEET

Product Model	CCU-C01-(N)P-EU
Electrical Parameters	
Rated Voltage	400 Vac, 3P3W+PE
Voltage Range	0~690 V
Rated Power	N*100 kW (N units in parallel, N≤10)
Rated Frequency	50 Hz / 60 Hz
Protection Parameters	
Lightning Protection	Supported
Short Circuit Protection	Supported
Overheat Protection	Supported
Overcurrent Protection	Supported
System Parameters	
Maximum Number of Output Channels	2
Maximum Number of Allowed Connections	10
Cooling Type	Intelligence air cooling
Working Altitude	≤2000 m
Working Relative Humidity	0~95% (no Condensation)
Working Temperature	-20 °C~50 °C
IP Protection Level	IP54
Corrosion Resistance Grade	C4 (Support customization)
Weight	600kg
Size(W*D*H)	900×1350×2400 mm
Communication	LAN / RS485
Installation	Floor installation
Inlet and Outlet Line	Bottom

* BODENSEE 232 DATASHEET

Product Model	100kW232-1P-C01-EU	100kW232-3/4/5P-C01-EU	100kW232-8/9/10P-C01-EU
Battery Parameters			
Cell Technology	LFP, 3.2 V (2.5–3.65 Vdc) 280 Ah		
Battery Configuration	1P260S		
Nominal Capacity	232 kWh		
Rated Voltage	832 Vdc		
Range of Voltage	650.0–949.0 Vdc		
Charging & Discharging Ratio	≤0.5 C		
DOD	95 %		
Communication Interfaces	RS485 / Ethernet / CAN		
Cooling System	Liquid Cooling		
PCS Parameters (Optional)			
Rated Power	100 kW (Max:110 kVA)		
THDi	≤3% (at rated power)		
Rated Voltage	400 Vac, 3P3W+PE		
Voltage Range	340–440 Vac		
Rated Frequency	50 / 60 Hz		
Power Factor	>0.99 (at rated power)		
Power Factor Range	1 (leading) to 1 (lagging)		
Cooling Type	Intelligent Air Cooling		
System Parameters			
Installation location	Outdoor Mounting		
IP Grade	IP55		
Relative Humidity	0~95 % (non-condensing)		
Operation Temperature Range	–30 °C–+50 °C		
Altitude	Up to 4000m (>2000m Derating)		
Dimensions(W*D*H)	1050 × 1350 × 2400 mm		
Weight	2300 kg		
Fire Extinguisher System	Aerosol fire suppressor, gas detection, and fire host		
Anti-corrosion level	C4		
Communication Interface	Ethernet		
Communication Protocol	Modbus TCP		
Compliance	IEC61000, IEC60730, IEC62477, IEC63056, IEC62619, VDE4105/4110, UN38.3		

Circuit Diagram

