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CLOU Aqua-C1



Power Generation Side



Grid Side



Customer Side



Microgrid



Long cycle life

10,000+ cycles



Lower auxiliary power



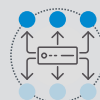
Outstanding cell temperature control

≤ 5°C temperature differences



Flexible configuration

Configurable and expandable capacity



BMS active balancing

Usable capacity Improved
Commissioning duration shortened



Less footprint & higher energy density

Enabling side by side installation
20% footprint saved



Highly integrated & fully pre-installed

Minimizing EPC work on site, satisfying the requirements of rapid deployment and simple installation



DC-DC rack level management



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TECHNICAL PARAMETERS

ITEM	DESCRIPTION	REMARK
Nameplate energy	3727 kWh	
Max. charge/discharge power	1863 kW	
Nominal DC voltage	1331 V	
DC Voltage (Full power)	1165-1500 V	
Auxiliary power supply	480Vac, 60Hz/ 400 Vac, 50 Hz	3P5W, TN-S
SOC calculation accuracy	±3%	after calibration
SOH (End of Life)	60%	
Environmental temperature	-30°C~50°C	
Environmental humidity	≤95%RH	Non condensation
Altitude	< 2000m	
Noise	≤75dB(A)	LAPEAK @1m using ISO3744
Protection grade	IP55 or NEMA Type 3	
Corrosion-proof grade	C4 (EN ISO 12944)	
Snow/ice loads	80 lb/sqft	
Wind loads	147mph	
Seismic level	meet the requirement of IEEE693 STANDARD HIGH CLASS DESIGN LEVEL seismic	
External communication interface	Ethernet	Copper and fiber
Dimensions (W*D*H)	6058*2438*2896mm	
Design life	20 years	
Weight	≤38t	
Code and standards compliance	UL1973, UL9540A, UL9540, UN38.3, NFPA855, NEC2017, NFPA70E, etc.	as released Nov23
Transportation	Fully populated with battery modules	

