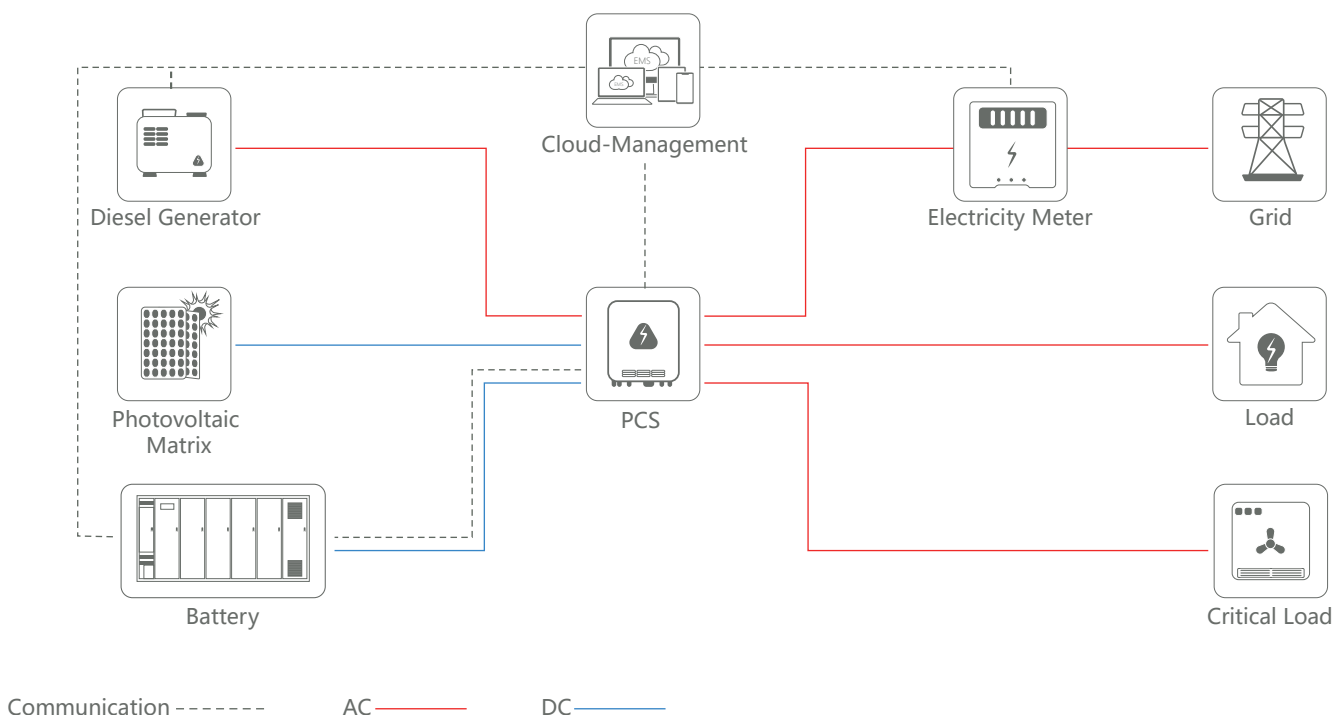


241kWh Microgrid Liquid-cooled ESS



Features

- Comprehensive Functions**
 - Enables hybrid energy integration with multiple simultaneous inputs
 - Supports multiple modes, adaptable to different scenarios
- Efficient & Flexible**
 - Integrated design, compact structure, and space-saving
 - Seamless switching ensures uninterrupted power for critical loads
- Powerful Performance**
 - Supports 2x PV overmatching, significantly improving PV power generation efficiency.
 - 160% off-grid overload capability, meeting instantaneous high load demands





IEC 62619

MSDS

UN38.3

Model	BATT - CI - 125/241 - M - L
Application	Microgrid
Battery Parameters	
Cell Type	LFP 3.2V/314Ah
Battery Module	48S1P/48.23kWh
System Configuration	240S1P
Rated Voltage	768V
Voltage Range	648~864V
System Energy	241.15kWh
Charge/Discharge Rate	0.5P
Cycle Life	7000
Photovoltaic Parameters	
Max. Input Power	240kW
Operating Voltage Range	150~950V
Max. Input Current	10*42A
Qty. of MPPT/ Max. Input Strings Number	10/20
AC Output Parameters	
Rated Power	125kW
Rated Voltage	400V
Rated Current	180.4A
Operating Frequency	50Hz/60Hz
Power Factor	0.8Leading~0.8Lagging
System Parameters	
System Efficiency	88%
Thermal Management	Liquid - cooled
Fire Protection System	Aerosol
Operating Temperature	-20~+55 °C (>45 °C Derating)
Operating Humidity	0~95% (Non - condensing)
Operating Noise	≤ 75 dB(A)@3m
Max. Operating Altitude	4000m (>2000mDerating)
Ingress Protection	IP54
Communication Method	Ethernet/ Wi - Fi (Optional) / 4G (Optional)
Max. Parallel Units (Off - Grid)	6
Weight	2.5T
Certification Standards	UN38.3,MSDS,IEC 62619,EN 62477,IEC 62933-5-2,EN IEC 61000-6-2/4,G99, VDE-AR-N 4105,EN 50549-1/10, EN 50549-2/10, VDE 0126/UTE C 15/VFR:2019, NTS 631/RD 1699/RD 244/UNE206006/UNE 206007-1, CEI 0-21,C10/11,NRS 097-2-1,TOR,EIFS 2018.2,IEC 62116/IEC 61727,IEC 60068,IEC 61683,EN 50530, MEA, PEA,PORTARIA Nº 140, DE 21 DE MARÇO DE 2022,NBR 16149, NBR 16150

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