OmniCube-A215

Integrated DC Flexibility System

COMPREHENSIVE ALL-IN-ONE SOLUTION

- Factory pre-installed lightweight EMS for simple installation
- Versatile compatibility: work with PV, Battery, AC, and DC Modules

VERSATILE INTEGRATION FOR DIVERSE SCENARIOS

- Engineered paired with a combiner cabinet and AC-coupled PV systems

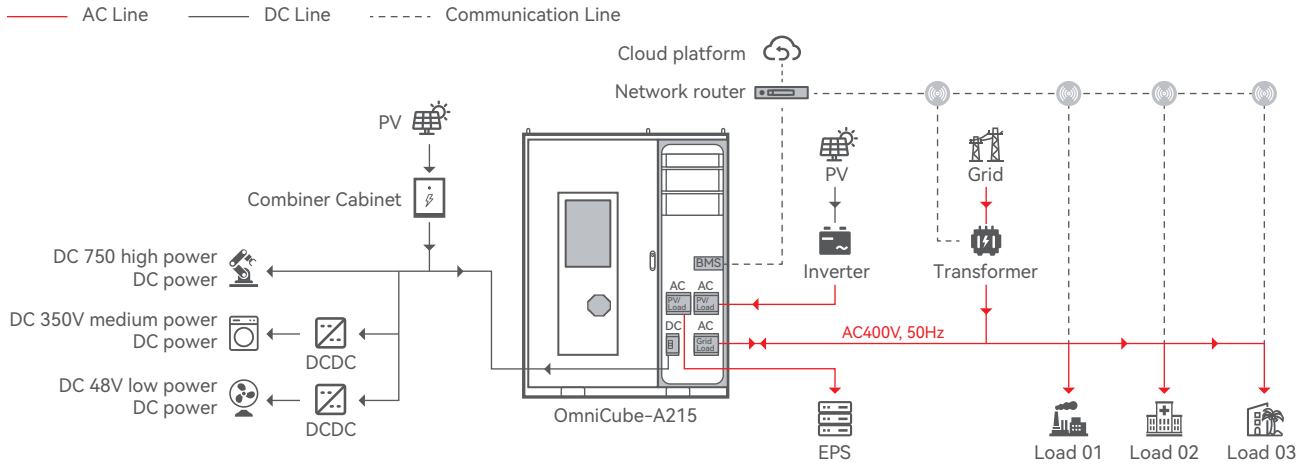
PARALLEL OPERATION CAPACITY

- Support seamless/second switching between on-grid and off gird connection

SAFETY OPERATION AND MAINTENANCE

- Comprehensive fire protection across packs and cabinets
- Remote monitoring in real time
- Simplified operation and maintenance, no on-site expertise

System Diagram



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Model	OmniCube-A215-105K-E	
DC Side		
Cell type	LFP	
Rated current	140A	
Rated voltage	768V	
Voltage range	600V ~ 876V	
Rated capacity	280Ah	
Rated energy	215.04kWh	
AC Side		
Rated output power	105kW	
Rated grid voltage	400V	
AC output type	3P3W / 3P4W	
Rated grid frequency	50Hz	
Max. THD of current	3% (full load)	
Power factor range	-0.99 ~ 0.99	
PV Connection		
Max. input power	50kW	100kW
Open-circuit voltage	900V	900V
PV side Max.Input current	Imax=100A	Imax=200A
Number of MPPT trackers	1	2
MPPT operating voltage range	0 ~ 652V	0 ~ 652V
Max. short-circuit current	120A	240A
General Data		
Main equipment	MPPT (optional), STS (optional), PCS	
Cooling method	Air Cooling	
Scalability	On-grid: 10; Off-grid: 5	
Operating temperature range	-30 ~ 55℃	
Relative operating humidity	0%-95%, RH	
Max. operating altitude	2000m	
Dimensions (W×D×H)	1750×1215×2340mm	
Fire supression system	Aerosol	
Weight	2.8t	
System ingress protection rating	IP54	
Communication interface	Ethernet	
Communication protocol	Modbus TCP	
Standard Compliance		
Standard	IEC/UL 60730, IEC 62619, IEC 62477, IEC 61000, UN 38.3, UN 3480	

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