

| Integrated DC Flexibility System |

OmniCube-A215



COMPREHENSIVE ALL-IN-ONE SOLUTION

- Factory-preinstalled lightweight EMS for simplified installation
- Versatile compatibility: compatible with PV, batteries, AC, and DC modules



VERSATILE INTEGRATION FOR DIVERSE SCENARIOS

- Engineered to pair with combiner cabinets and AC-coupled PV systems



PARALLEL OPERATION CAPACITY

- Supports seamless switching between on-grid and off-grid connection



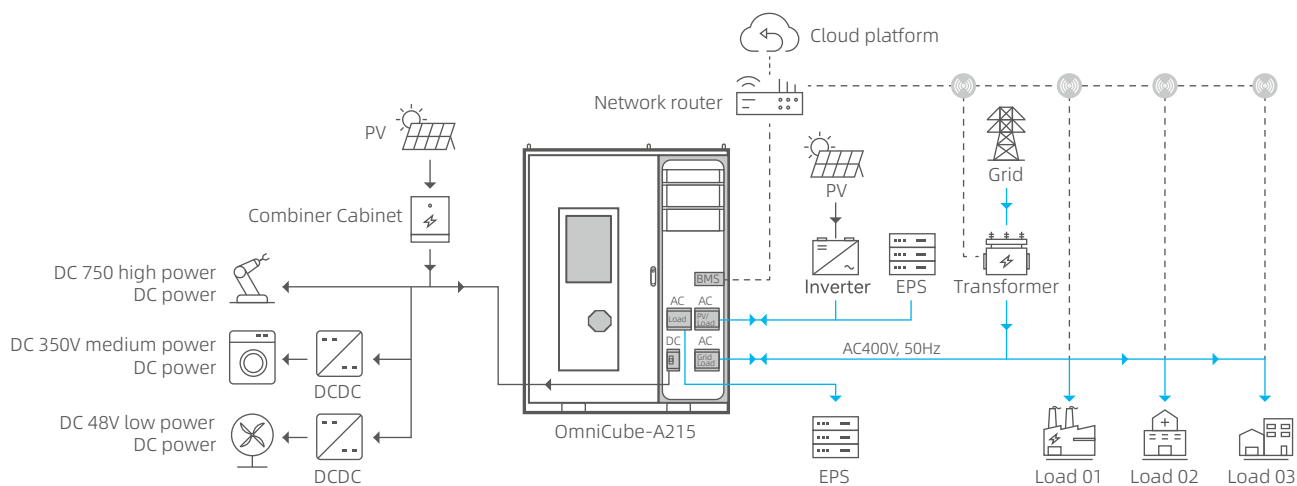
SAFE OPERATION AND MAINTENANCE

- Comprehensive fire protection across battery packs and cabinets
- Real-time remote monitoring
- Simplified operation and maintenance, no on-site technical expertise required



SYSTEM DIAGRAM

— AC Line — DC Line - - - - - Communication Line



PRODUCT SPECIFICATIONS

DC Side		
Cell type	LFP	
Rated current	140A	
Nominal voltage	768V	
Voltage range	600V ~ 876V	
Rated capacity	280Ah	
Rated energy	215.04kWh	
AC Side		
Rated output power	100kW	
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 Input current	I _{max} =100A	I _{max} =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 50kW STS 200kW ; PCS
Cooling method	Air Cooling
Scalability	On-grid: 10; Off-grid: 5
Operating temperature range	-30 ~ 55°C (>45°C derating)
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	EN/IEC/UL 60730, IEC 62619, EN/IEC 62477, EN/IEC 61000, UN 38.3, UN 3480, CEI 0-21, CEI 0-16