

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

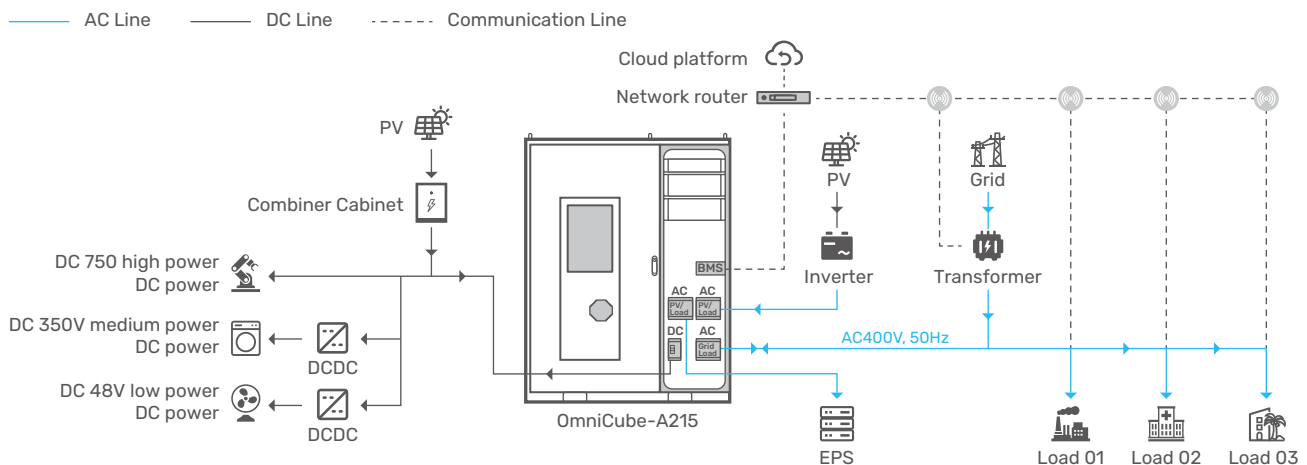
- Support seamless/second switching between on-grid and off grid connection



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



Model		OmniCube-A215-105K-E	
DC Side			
Cell type	LFP	LFP	LFP
Rated current	140A	140A	140A
Rated voltage	768V	768V	768V
Voltage range	732-871.2V	732-871.2V	732-871.2V
Rated capacity	280Ah	280Ah	280Ah
Rated energy	215.04kWh	215.04kWh	215.04kWh
AC Side			
Rated output power	105kW	105kW	105kW
Rated grid voltage	400V	400V	400V
AC output type	(3W+PE)3P3W/(3W+N+PE) 3P4W	(3W+PE)3P3W/(3W+N+PE) 3P4W	(3W+PE)3P3W/(3W+N+PE) 3P4W
Rated grid frequency	50Hz	50Hz	50Hz
Max. THD of current	≤3%(Fully loaded)	≤3%(Fully loaded)	≤3%(Fully loaded)
Power factor range	-0.99~+0.99	-0.99~+0.99	-0.99~+0.99
PV Connection			
Max.Input power	50kW	100kW	100kW
Open-Circuit voltage	900V	900V	900V
PV side Max.Input current	I _{max} =100A	I _{max} =200A	I _{max} =200A
Number of MPPT trackers	1	2	2
MPPT operating voltage range	0~652V	0~652V	0~652V
Max.Short-Circuit current	120A	240A	240A
General Data			
Main equipment	MPPT(optional), STS(optional), PCS		
Cooling method	Air Cooling		
Extensionability	On-grid: 10; Off-grid: 5		
Operating temperature range	-30~+55°C		
Relative operating humidity	0%-95%, RH		
Max. operating altitude	≤2000m		
Dimensions(W×D×H)	1750×1215×2340mm		
Fire protection	Aerosol		
Weight	2.8t		
Ingress protection rating	IP54		
Communication interface	RS485, Ethernet		
Protocol	Modbus, IEC61850, IEC104		
Standard & Compliance			
Standard	IEC/EN62619, IEC/UL60730, IEC/EN62477 IEC/EN61000, UN38.3, UN3480, GB36276, GB/T34131		

*The specifications are subject to change without prior notice.