Specifications

Model	OmniCube-A215-100K-E	
DC side		
Cell type	LFP	LFP
Rated current	140 A	140 A
Rated voltage	768 V	768 V
Voltage range	600~876 V	732~871.2 V
Rated capacity	280 Ah	280 Ah
Rated energy	215.04 kWh	215.04 kWh
AC side		
Rated output power	105 kW	105 kW
Rated grid voltage	400 V	400 V
AC connection method Grid frequency range	Three-phase three-wire three-phase four-wire	Three-phase three-wire three-phase four-wire
Nominal grid frequency	50 Hz/60 Hz	50 Hz/60 Hz
Max. THD of current	⩽3% (Fully loaded)	⩽3% (Fully loaded)
Power factor	-0.99~+0.99	-0.99~+0.99
PV connection		
Max. input power	50 kW	100 kW
Open-circuit voltage	950 V	900 V
PV Side max input current	Imax=100 A	Imax=200 A
Number of MPPT trackers	1	2
MPPT operating voltage range	0~900 V	0~900 V
Max. short-circuit current	120 A	240 A
General data		
Main equipment	MPPT (optional), STS (optional), PCS	
Cooling method	Air cooling	
Extensionability	On-grid:10; Off-grid:4	
Operating temperature range	-30 ~ +55 °C	
Relative operating humidity	0%-95%, RH	
Max. operating altitude	⩽2000 m	
Dimension(W*D*H)	1750*1215*2340 mm	
Fire Control	Aerosol	
Weight	2.6 t	
Protection class	IP54	
Communication interface	RS485, Ethernet	
Protocol	Modbus, EC61850	
Certifications	GB36276, GB/T34131, IEC/EN62619, IEC/UL60730, IEC/EN62477, IEC/EN61000, UN38.3, UN3480	

Potis Edge

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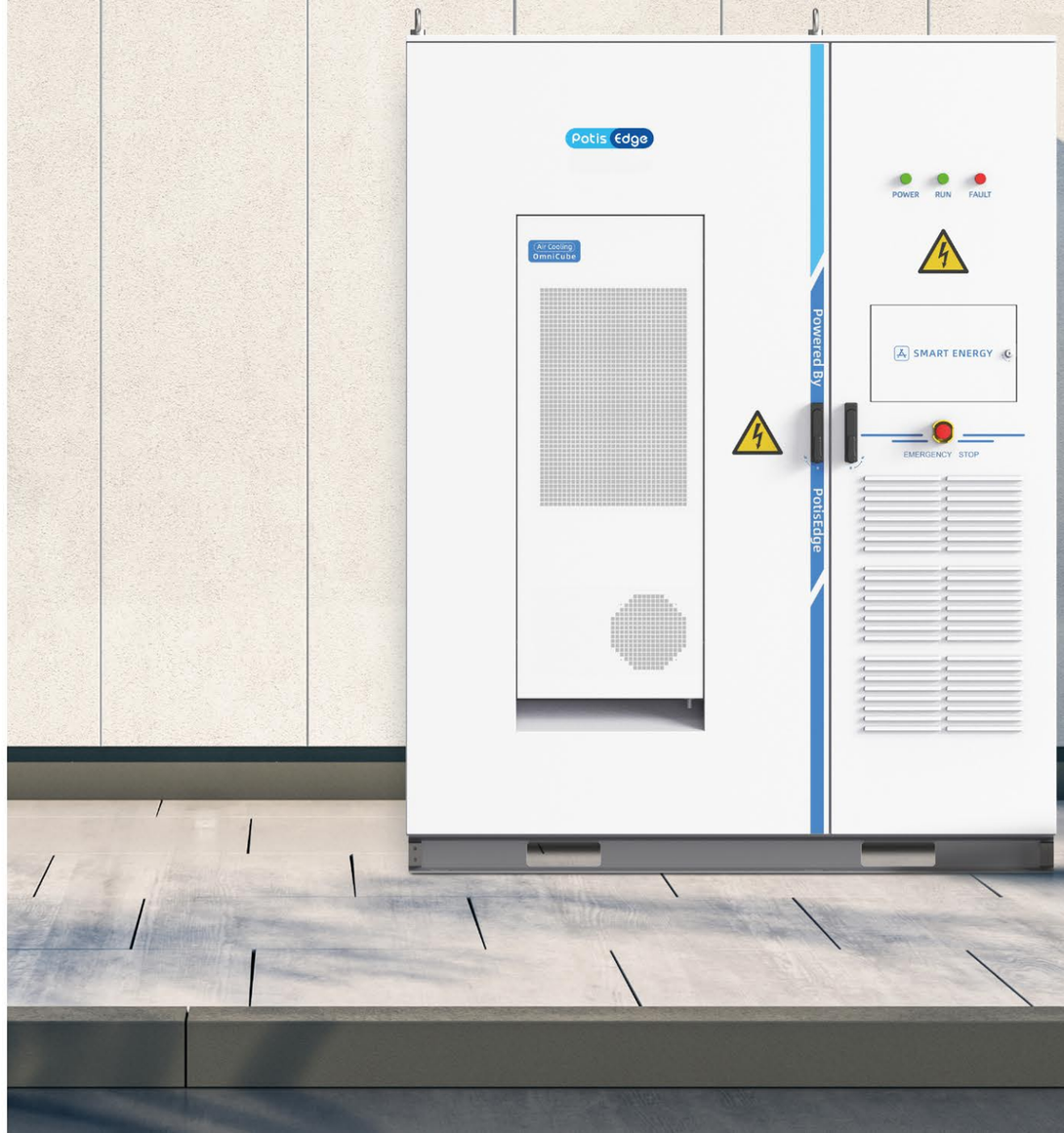
InterConti Trading s.r.o.
official distributor of Potis Edge

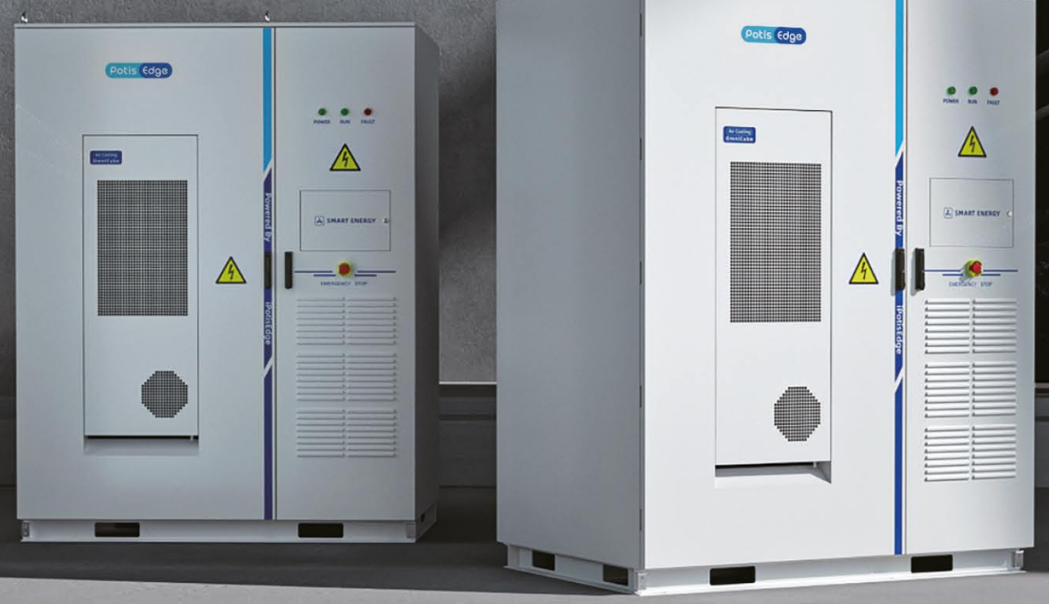
Energy Storage for PV Installations
Direct Current Flexibility Integrated System

OmniCube-A215



Full scenario compilation

Omnicube, with its modular design, combines energy storage battery, battery management system, energy storage alternator, energy management system, and photovoltaic module to customise an all-in-one system to fit your facility. It stores energy from sustainable sources.



Proprietary Research Solution
Patented safety valve intelligent inspection system
Top master control supports millisecond data acquisition

Freedom of Choice
Optional wind and solar module function
Support seamless/second switching between
on-grid and off-grid connection

Highly Integrated
All-in-one design with factory pre-configured lightweight EMS
Matchable to PV, storage, AC, DC modules

Safety Operation and Maintenance
Multi-dimensional fire protection at pack and cabinet level
Real-time remote monitoring,
operation and maintenance without experts on site

Proprietary Patent iCCS
Safety Valve Intelligent Detection System

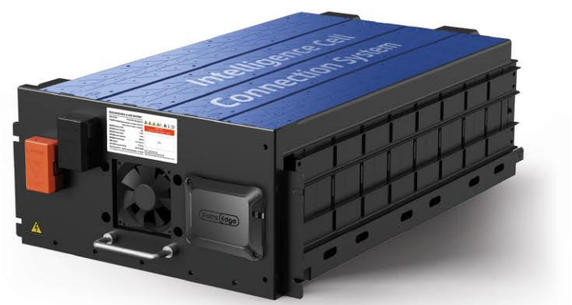
Adopts the integrated design concept.
Replaces the traditional "wiring harness+BMS+temperature sensor" approach.
Build multi-dimensional active and passive safety protection and
system-level thermal runaway risk control from the cell-level.

≤±3mv
Voltage acquisition accuracy

30-60s
System reaction time for thermal runaway confirmation

3-5min
System reaction time for valve opening warning

3-6 months
Prediction time range for thermal runaway of battery cells



Application Scenarios