

FlexCube 215EL PRO

FlexCube Series is an innovative and reliable mobile energy storage solution that can operate as a sustainable alternative to diesel generators or work alongside them to reduce fuel consumption.

It is ideal for construction sites, outdoor events such as exhibitions, sports events, and music festivals, as well as electric vehicles and construction machinery, delivering clean, efficient, and flexible temporary power.



KEY SPECIFICATIONS

Electrical (Max. Output)	Overload Power ≤ 60 sec.	233 kW/248 kVA
	Overload Power ≤ 10 sec.	292 kW/297 kVA
	Overload Current ≤ 60 sec. @ 380/400/415 Vac	377 /358/345 A
	Overload Current ≤ 10 sec. @ 380/400/415 Vac	452/429/414 A
	Nominal Power	193 kW/214 kVA
	Nominal Current @ 380/400/415 Vac	325/309/298 A
Electrical (Max. Input)	Charging Power	205 kW
	Charging Current @ 380/400/415 Vac	312/297/286 A
Electrical (General)	Voltage Range	380 to 415 Vac (3Ph+N+PE)
	Frequency	50/60±2.5 Hz
Energy Storage	Rated Nominal DC Capacity	215 kWh
	Battery Cell Type	CATL lithium iron phosphate (LFP)
	Rated Battery Cell Life*	5,000 cycles
Mechanical	Ambient Operating Temperature Range	-20 to +50°C (derating from 45°C)
	Dimensions (L x W x H)	2.40 x 2.15 x 2.20 m
	Weight	5,400 kg
	Ingress Protection/Corrosion Protection	IP55/C3
General	Fire Suppression System Type	Aerosol agent
	Thermal Management Architecture	Liquid cooled
	Coolant Type	Ethylene glycol
	Connectivity	Cellular 4G
	Isolation Transformer	Yes
	Microgrid Controller Compatibility	ComAp, DeepSea, or SmartGen
Certifications	Power Electronics	IEC 62477-1, IEC 61851-1 ³ &-23 ³ , IEC 62109-1 ⁴
	Battery	IEC 62619, UL 9540A (cell)
	Other Compliance	UN 38.3 (road and sea)
Optional Features	Direct DC MPPT Controller Power	60 kW (input voltage up to 900 Vdc)
	Serial Charging System Rated Power	80 kW
	Enhanced Corrosion Protection	C4

*Each cycle is defined one full charge and full discharge. The rated life cycle does not equal to the warranted life cycles.

³For units equipped with serial chargers

⁴For units equipped with MPPT controllers.