

Cube Pro

CP36-B2800-E-R1M01 & CP32-B2800-E-R2M01 & CP32-B3000-E-R4M01
CP32-B2800-U-R4M02/WVR & CP32-B2800-U-R4M02/WVR

Top-tier liquid cooling battery energy storage system that has passed UL9540A and IEC62619 tests right from the start.



SYSTEM FEATURES



Small Space & High Energy Density

Compact mechanical design, minimized footprint.



Liquid Cooling & Stable System

Equipped with an efficient and reliable liquid cooling system, the battery temperature difference is less than 3°C during operation.



Advanced Technology & Efficient and Safe

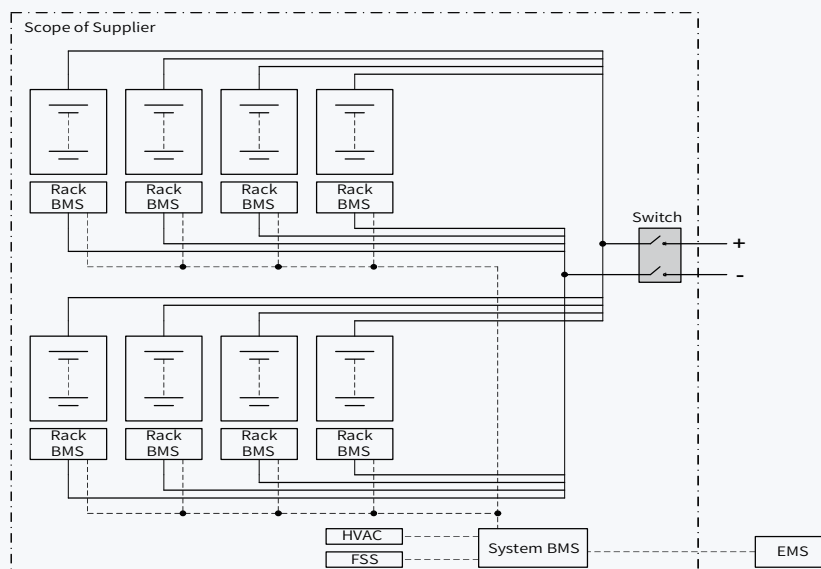
Using the advanced LFP batteries, longer service life. Equipped with FSS to ensure safe operation.



Highly Integrated & Easy for Installation

Highly integrated system, all-in-one design, integrated local controller, HVAC and FSS, easy for installation and transportation.

CIRCUIT DIAGRAM



SYSTEM PARAMETERS

System Type	CP36-B2800-E-R1M01	CP32-B2800-E-R2M01 CP32-B2800-U-R2M02 WVR	CP32-B3000-E-R4M01	CP32-B2800-U-R4M02/WVR
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DC Side

Cell Type	LFP C15	LFP C15	LFP C15	LFP C15
Pack Type	1P114S	1P114S	1P114S	1P114S
Rack Size	1P228S (2 packs)	1P342S (3 packs)	1P342S (3 packs)	1P342S (3 packs)
System Configuration	12×1P228S	8×1P342S	8×1P342S	8×1P342S
Battery Capacity (BOL)	2800kWh	2800kWh	3000kWh	2800kWh
DC Usable Energy (BOL)@SAT	2560kWh	2590kWh	2835kWh	2610kWh
Battery Voltage Range	638.4~820.8V	934~1231.2V	934~1231.2V	934~1231.2V
Nominal Power	2430kW	1245kW	625kW	625kW

General Parameters

Dimensions (W×D×H)	11000×1700×2645mm	9800×1700×2645mm	9800×1700×2645mm	9800×1700×2645mm
Weight	≈31000kg	≈29500kg	≈29000kg	≈29000kg
IP Rating	IP55	IP55	IP55	IP55
Operating Temperature Range	-30°C~+55°C ^[1]	-30°C~+55°C ^[1]	-30°C~+55°C ^[1]	-30°C~+55°C ^[1]
Relative Humidity	5%~100%	5%~100%	5%~100%	5%~100%
Max. Working Altitude	< 3000m ^[2]	< 3000m ^[2]	< 3000m ^[2]	< 3000m ^[2]
Cooling Concept	Liquid Cooling	Liquid Cooling	Liquid Cooling	Liquid Cooling
Noise	≤80dB(A)@1m	≤75dB(A)@1m	≤75dB(A)@1m	≤75dB(A)@1m
Fire Suppression System	NOVEC1230/FM200 Gas Fire Suppression System and Water Fire Pipeline Reserved			
Auxiliary Power Interface	AC400V 50Hz / AC480V 60Hz, 3-phase 4-wire			
Peak Power of Aux. System @45°C, PF0.8	50.70kW	32.70kW	11.60kW	11.60kW
Communication Interfaces	Ethernet	Ethernet	Ethernet	Ethernet
Communication Protocols	Modbus TCP/IP	Modbus TCP/IP	Modbus TCP/IP	Modbus TCP/IP
Standard Color	RAL 9003	RAL 9003	RAL 9003	RAL 9003
Compliance	UN 38.3, UN 3536, UL 9540, UL 9540A, UL 1973, UL 1642, IEC 62619, UKCA, IEC 63056, CE Marking			

Note:

[1] Power derating is performed when the ambient temperature is below -15°C or above +40°C.

[2] Power derating is performed when the altitude is >3000m.