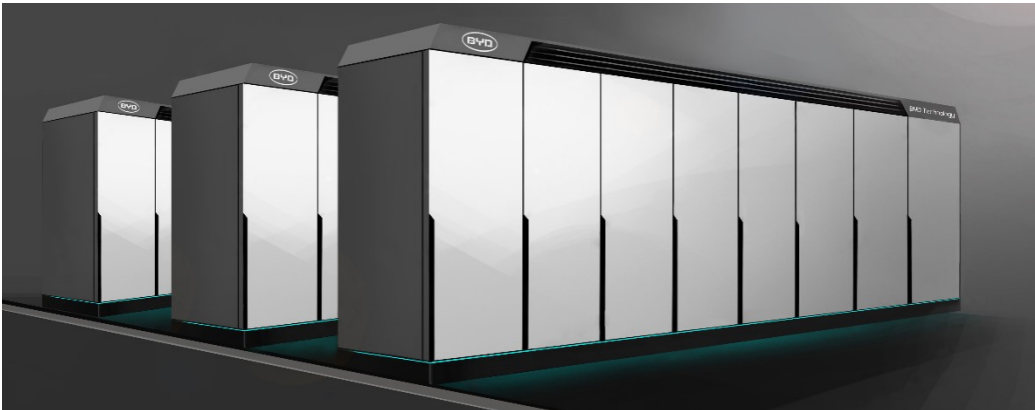


# BYD-Cube Pro

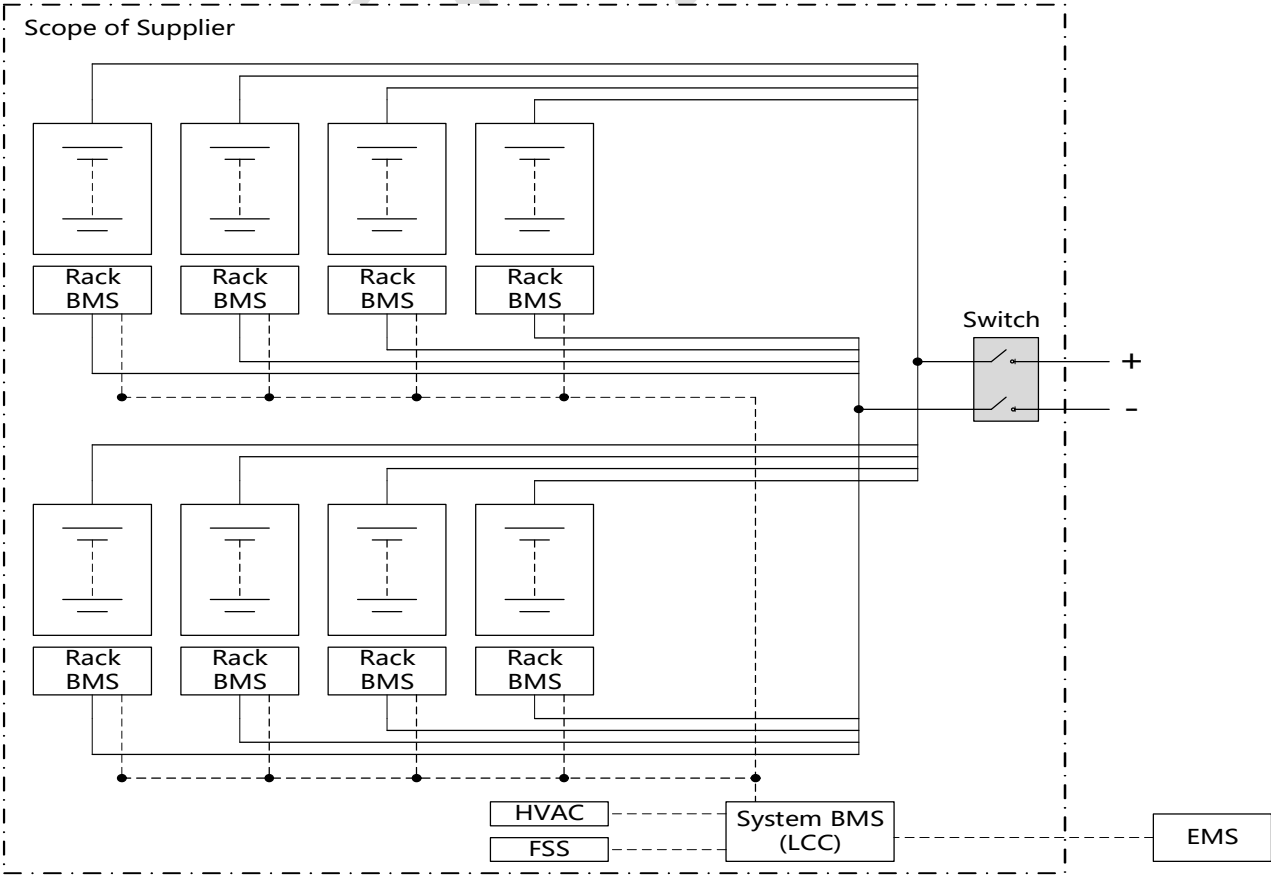
CP32-B2800-U-R2M02/WVR &  
CP32-B2800-U-R4M02/WVR



## System Features

- Compact mechanical design, minimized footprint
- High efficient system with safe and long lifecycle LFP battery
- Highly integrated system to allow flexible transportation and on-site installation
- ALL IN ONE design, integrated local controller, HVAC and FSS to ensure system safety

## Circuit Diagram



# System Parameter

System Type	CP32-B2800-U-R2M02/WVR	CP32-B2800-U-R4M02/WVR
<b>DC Data</b>		
Cell type	LFP C15FHNE	LFP C15FHNE
Pack type	1P114S	1P114S
Rack size	1P342S (3 packs)	1P342S (3 packs)
Configure of system	8 × 1P342S	8 × 1P342S
Battery capacity (BOL)	2800kWh	2800kWh
DC usable energy (BOL)@FAT	2690kWh	2710kWh
DC full power energy (BOL)@FAT	2690kWh	2710kWh
Battery voltage range	934 ~ 1231.2V	934 ~ 1231.2V
DC usable energy (BOL)@SAT (Within 60 days after delivered)	2590kWh	2610kWh
Nominal power	1245kW	625kW
<b>General Data</b>		
Dimensions of ESS unit (W×D×H)	9800×1700×2645mm	9800×1700×2645mm
Weight of ESS unit	≤30000kg	≤30000kg
IP rating	IP55	IP55
Operating ambient temperature range	-30℃ ~ +55℃ 【1】	-30℃ ~ +55℃ 【1】
Relative humidity	5% ~ 100%	5% ~ 100%
Max. working altitude	< 3000m 【2】	< 3000m 【2】
Cooling concept	Liquid cooling	Liquid cooling
Noise	≤75dBA	≤75dBA
Seismic	Zone 4 (0.5g)	Zone 4 (0.5g)
Fire suppression system	With fire alarm system	With fire alarm system
Auxiliary power interface	AC480V/60Hz, 3 phase 4 wire	AC480V/60Hz, 3 phase 4 wire
Auxiliary system peak power requirement @45℃	32.70kW	11.60kW
Communication interfaces	Ethernet	Ethernet
Communication protocols	Modbus TCP/IP	Modbus TCP/IP
Compliance	UL9540A	UL9540A
Standard color	RAL9003	RAL9003

## Annotation:

【1】 Power derating when environment temperature exceeding 45℃.

【2】 When the altitude is between 2000-3000m, the output of the system will be de-rated.