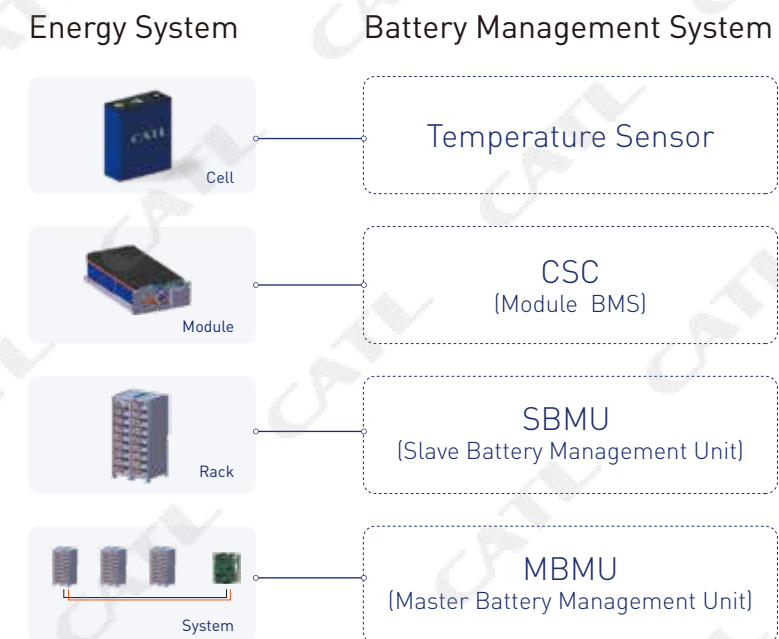
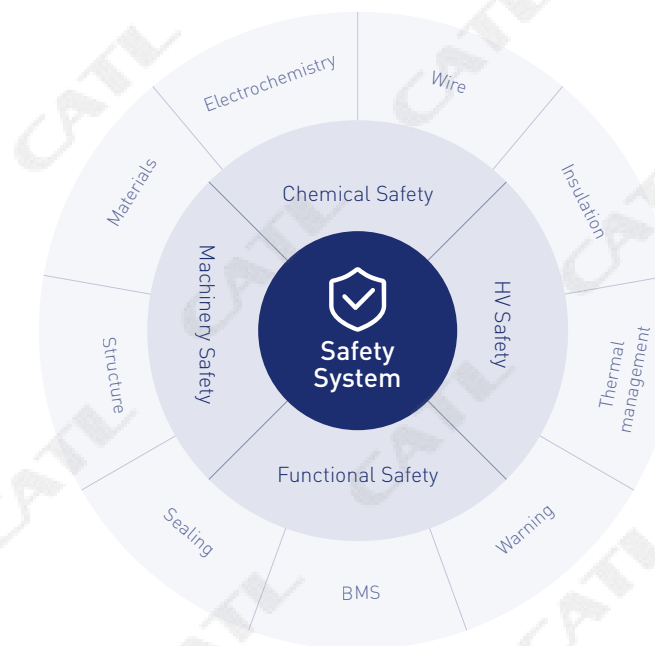


CATL BESS Product Brochure

CATL BESS Product Structure



Comprehensive Safety Design



Safety is CATL's Priority

Safety Performance

UL 9540A Test Summary

- Test condition: no fire protection system
- No propagation to other cells or other modules
- No flaming, flying debris or explosive discharge of gases
- Compliant with NFPA 220 & NFPA 855 requirements

Certification



Safety is CATL's Priority



LFP Olivine Structures

- Stable Chemical Bonds: P-O
- Thermal Runaway: 800 C



Prismatic Cell

- Gas release at designed direction
- Prismatic Cell Al Can: no deformation/no leakage service life >20 years



Cell Winding

- Stable & reliable structure after long cycles



MSD Switch



Customized 250kA FUSE compatible with multi rack

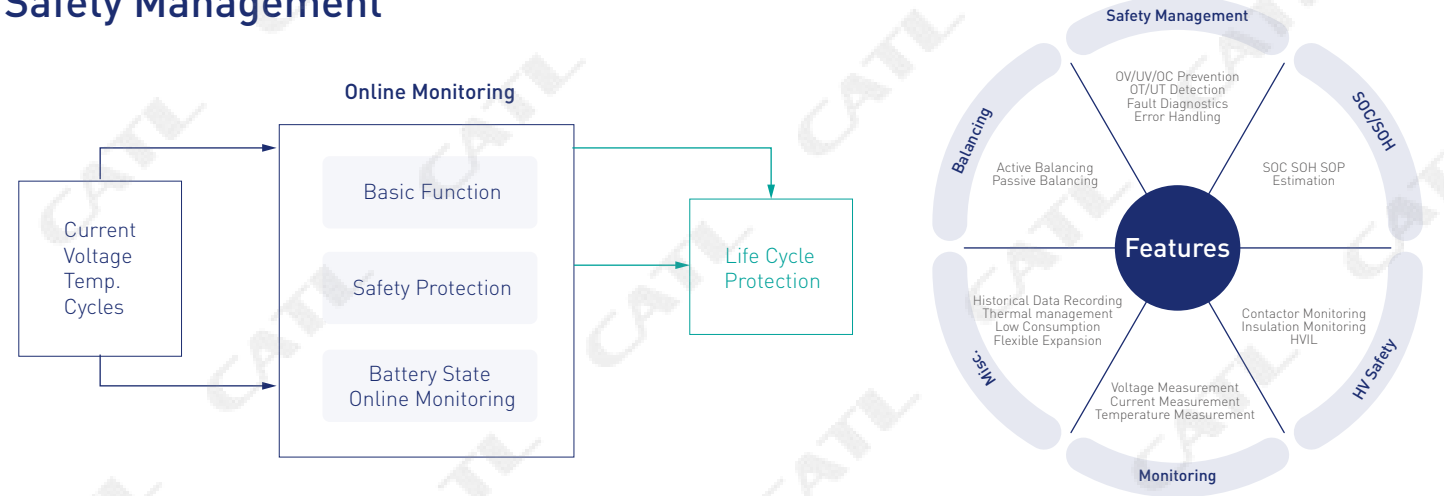


Isolation Switch



Fast Plug

Safety Management

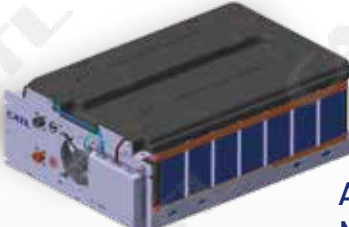


Air Cooling Solution



Cell
280Ah LFP

Cell Capacity (Ah)	280	
Charge/ Discharge Rate (P)	0.5	1
Cycle Life (@25 C, @70%Ret)	8,000 (0.5P/0.5P)	8,000 (1P/1P)
Dimension (L*W*H) (mm)	173.9*71.7*207.2	



Air Cooling Module

Product Specification	M20280-E	M20280-P
Duration (h)	h≥2	1≤h<2
Nominal Capacity (kWh)	17.9	
Dimension (L*W*H)(mm)	950*516*234	
Cooling	Air	



Air Cooling Rack

Product Specification	R1720280-E	R1720280-P
Duration (h)	h≥2	1≤h<2
Nominal Capacity (kWh)	304.6	
Dimension (L*W*H)(mm)	1,200*1,000*2,300	
Cooling	Air	

Comprehensive Test & Certification of Rack



Liquid Cooling Solution



Cell
280Ah LFP

Cell Capacity (Ah)	280	
Charge/ Discharge Rate (P)	0.5	1
Cycle Life (@25 °C, @70%Ret)	8,000 (0.5P/0.5P)	8,000 (1P/1P)
Dimension (L*W*H) (mm)	173.9*71.7*207.2	



Liquid Cooling Module

Product Specification	M52280-E	M52280-P
Duration (h)	h≥2	1≤h<2
Nominal Capacity (kWh)	46.6	
Dimension (L*W*H)(mm)	1,152*810*243.4	
Cooling	Liquid	



EnerOne

Product Specification	O852280-E	O852280-P
Duration (h)	h≥2	1≤h<2
Nominal Capacity (kWh)	372.7	
Dimension (L*W*H)(mm)	1,300*1,300*2,280	
Cooling	Outdoor Liquid	



Indoor Liquid Cooling Rack

Product Specification	R852280-E	R852280-P
Duration (h)	h≥2	1≤h<2
Nominal Capacity (kWh)	372.7	
Dimension (L*W*H)(mm)	924*1,185*2,329	
Cooling	Indoor Liquid	

Comprehensive Test & Certification of Rack



UL 9540A



UL 1973



IEC 62619



IEC 62477-1 LVD



IEC 61000-6-2/4 EMC

CATL Residential Product



100Ah-4.3U LFP

Cell Capacity (Ah)	100
Charge/ Discharge Rate (C)	1
Cycle Life (25 °C, 0.5C/0.5C, @70%Ret)	6,000
Dimension (L*W*H) (mm)	200.3*33.2*172.2

Comprehensive Testing & Certification



IEC 62619



JIS 8715-2



UL 1973



UN 38.3



SII Crush & Nail



100Ah-3U LFP

Cell Capacity (Ah)	100
Charge/ Discharge Rate (C)	1
Cycle Life (25 °C, 0.5C/0.5C, @70%Ret)	5,300
Dimension(L*W*H) (mm)	160.0*49.9*116.0

Comprehensive Testing & Certification



IEC 62619



IEC 62133



UL 1642



UN 38.3



Our products are available around the world and proved to run safely as well as efficiently.