

Commercial & Industrial Battery Energy Storage Solution

OP Safety and Reliability

- Precise thermal management ensures the stability of the battery system
- Multi-level battery protection from cell to system and modular system enables high safety
- Pack-lever fire suppression system provides detection , pre-alarm and immersing extinguishment
- IP 55 rated and C4 anti-corrosion

OP Efficiency and Flexibility

- Higher efficiency and longer battery cycle life thanks to advanced liquid-cooling technology
- Highly Scalable flexibility according to your needs

OP Smart and Powerful

- Robust design combined with intelligence for maximum availability and performance
- Smart control system provides information about operation state

OP Cost-effectiveness

- Pre-integrated ESS for easy installation, commission and ease of maintenance
- High availability and efficiency enable the operation of system cost effectively



Technical specifications (1500V System)		
Battery Type		Lithium iron phosphate
Cell configurations		1P384S
Rated capacity (Ah)		280
Rated energy (kWh)		344
Rated voltage (v)		1228.8
Rated power (kW)		172
Rated charge/discharge rate		0.5C
Voltage range (V)		1075.2-1382.4
Charging Operating Temperatures(°C)		-30~60
Discharging Operating Temperatures(°C)		-30~60
Storage Temperature	Short term(<1month)(°C)	-30~60
	Long term(<1year)(°C)	0~35
Storage Humidity		≤95%
Standard Altitude (m)		2000
Cooling		Liquid cooling
Coolant		Ethylene glycol : aqueous solution (50%v :50%v)
Fire Suppression		Aerosol(Optional) / FM200 /NOVEC1230
Detector		Smoke,heat & flammable gas detectors
Dimensions(W*D*H)(mm)		1250*1300*2340
Weight(T)		3.5
Anti-corrosion		C4
IP Rating		IP55
Life Cycle		8000
DC Round Trip Efficiency (%)		≥93.5%
Compliance	BMS	IEC/UL60730; UL1973;GB/T 34131-2017
	Outdoor Liquid-cooling Cabinet	GB/T36276-2018 UL1973 IEC62619 UL9540A

Technical specifications (1000V System)		
Battery Type		Lithium iron phosphate
Cell configurations		2P192S
Rated capacity (Ah)		560
Rated energy (kWh)		344
Rated voltage (v)		614.4
Rated power (kW)		172
Rated charge/discharge rate		0.5C
Voltage range (V)		537.6~691.2
Charging Operating Temperatures(°C)		-30~60
Discharging Operating Temperatures(°C)		-30~60
Storage Temperature	Short term(<1month)(°C)	-30~60
	Long term(<1year)(°C)	0~35
Storage Humidity		≤95%
Standard Altitude (m)		2000
Cooling		Liquid cooling
Coolant		Ethylene glycol : aqueous solution (50%v :50%v)
Fire Suppression		Aerosol(Optional) / FM200
Detector		Smoke,heat & flammable gas detectors
Dimensions(W*D*H)(mm)		1250*1300*2340
Weight(T)		3.5
Anti-corrosion		C4
IP Rating		IP55
Life Cycle		8000
DC Round Trip Efficiency (%)		≥93.5%
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	Outdoor Liquid-cooling Cabinet	GB/T36276-2018 UL1973 IEC62619 UL9540A