

- Smart liquid-cooled temperature control system, the temperature difference between batteries inside PACK is < 2.5°C, ensuring the consistency of battery temperature control, increasing life by 30% and reducing energy consumption by 20%;
- Verified by a number of destructive tests such as short circuit, burning, fire resistance, etc., making the product safe and reliable;
- Electrical multi-dimensional fusion perception and multi-level protection;
- "Emergency avoidance design", BMS, EMS thermal backup, reducing failure rate by 5%;
- Early thermal runaway prewarning design, integrating detection, fire suppression, combustible gas detection, smoke prevention and explosion relief functions, which interacts with BMS and EMS to realize PACK-level targeted fire extinguishing:
- Full "mirror" surface design with core components integrated within the cabinet to reduce the risk of hidden failure;
- IP67 PACK-level protection and IP55 system-level protection.

Simple:

- All-in-one design and modular installation;
- Applicable to multiple industrial scenarios and easy to connect to the grid;
- Anti-installation short-circuit error, convenient and safe for maintenance;
- Easily plug and play with aviation plug and simple capacity expansion covering power range from 50kW to
- Factory prefabrication and integrated transportation to reduce the transportation, installation and commissioning fees by 15%.
 - *The product diagram is for reference only!

Smart:

- Real-time leakage monitoring and smart replenishment to reduce on-site operation and maintenance work;
- Remote cloud operation and maintenance, supporting remote and local monitoring;
- Smart balancing strategy and system AI prewarning to ensure the consistency of battery life cycle;
- Support black start function with reliable power supply in offgrid/micro-grid mode;
- Support multiple operation modes (VPP, grid-connected, off-grid) to improve revenue.



Technical Parameters

Type	Name	Parameters	Remarks
DC Parameters	Cell type	LFP-3.2V-280Ah	
	System configuration	1P240S	
	Rated capacity[kWh]	215.04	
	Nominal voltage[V]	768	
	Charge-discharge rate	≤0.5CP	
	Cooling mode	Smart liquid-cooled	
AC Parameters (grid connected)	Rated power[kW]	100	
	Grid voltage[V]	400 (-20%~10%)	
	Rated current[A]	144	
	Rated grid frequency [Hz]	50/60	
	Grid frequency range [Hz]	45~55/55~65	
	THDi	<3% (rated power)	
	Power factor	>0.99 (rated power)	
	Power factor	-1 (leading) ~1 (lagging)	
	adjustable range		
AC Parameters (off grid)	AC off-grid voltage[V]	400 (-5%~5%)	
	AC off-grid frequency[Hz]	50/60	
	Off-grid output voltage	<3%(Linearload)	
	distortion rate		
System Parameters	Cooling mode	Liquid-cooled(battery,PCS)	
	<u></u>	Perfluoro(2-methyl-3-pentanone)+ Water fire protection	
	Fire protection system		
	Anti-corrosive level	C3	(C4\C5 optional)
	Ingress protection	IP55	
	Operating temperature range[°C]	-15~+45	
	Storage temperature[°C]	-20~+45	SOC@30%~50%, <6months
	Operating humidity range	0~95%RH	No condensation
	Installation mode	Outdoor	
	Operating condition	Max. 2 charge and 2 discharge per day	
	System communication interface	Ethernet/RS485	
	External system	Modbus TCP/Modbus RTU	
	communication protocol		
	Altitude[m]	<2000	>2000 derating
	DimensionW*D*H[mm]	1000*1300*2200	
	Weight[kg]	2300	
	Certificate	GB/T 36276、GB/T 34131、UN 38.3	

[■] Product continues to iterate, specifications may be updated without prior notice.

