

LIQUID COOLING BESS

2.5MW/5MWH



OPTIMAL COST

- Intelligent liquid-cooled temperature control system to optimize the auxiliary power consumption
- Pre-assembled, no battery module handling on site, transportation of complete system

EFFICIENT AND FLEXIBLE

- High-efficiency heat dissipation, increase battery life and system discharge capacity
- Front single-door-open design, supporting back to back layout drawing
- Function test in factory, limited on-site work, accelerate commissioning process

SAFETY AND RELIABLE

- Electrical safety management, overcurrent fast breaking and arc extinguishing protection
- The electrical cabinet and battery cabinet are separated to prevent thermal runaway

CONVENIENT O&M

- One-click system upgrade
- Automatic coolant refilling design
- Online intelligent monitoring

直流侧参数 DC Side Parameters	电芯材料 Cell Material	LFP
	电芯型号 Cell Tpye	3.2V/314Ah
	充放电倍率 Rated Charging Ratio	0.5C
	循环次数 Cycle Life	≥6000次 (90%DOD, 80%EOL)
	成组方式 Battery Configuration	12P416S
	额定容量 Nominal Capacity	5MWh
	标称电压 Nominal Voltage	1331.2V
交流侧参数 AC Side Parameters	标称电压 Nominal Voltage Range	1123.2V-1497.6V
	电网频率 Grid Frequency	50Hz (±10%)
系统参数 System Parameters	接线方式 Termination	三相四线
	运行温度范围 Operation Temperature Range	-40°C~+60°C (45°C降额)
	电池温控方式 Battery Temperature control Method	液冷
	运行湿度范围 Operation Humidity Range	0%~100%(无凝露)
	最高工作海拔 Max. Operation Altitude	5000m (3000m降额)
	噪声 Noise	<80dB
	消防系统 Fire Suppression System	舱级/簇级/包级消防可选配
	对外通讯接口 External Communication Interface	RS485/Ethernet/ CAN/光纤
	对外通讯协议 External Communication Protocol	MODBUS-RTU/MODBUS-TCP/CAN2.0B/可定制
	认证 Certificates	UL9540A、UL1973 cTUVus
结构参数 Structure Parameters	结构形式 Type	集装箱式
	显示 Display	触摸屏
	开门方式 Opening Mode	外开门
	维护方式 Maintenance Mode	外维护(非步入式)
	尺寸 Dimensions(WxDxH)mm	6500*2600*2896
	重量 Weight	48T
	防护等级 IP Class	IP54/IP55