



No	Description	SPower 240o Technical Data
I	<b>General Requirement</b>	
1	Life time of BESS	25+ years with no degradation
2	Batteries function and performance	25+ years with no degradation
3	Vanadium Redox Flow Battery	Yes
4	Cycles limited at 100% DOD per year	No limit
5	Cycling duty basis of the energy discharge guarantee	+20,000
6	Self-discharge for extended time	<2%
7	No degradation of battery EoL	Yes
8	Heat management	Yes
9	Long duration with 100% SOC access	Yes
10	Built-in seamless bypass	Yes
11	Battery modules installation	Outdoor
12	No augmentation	Yes
13	Hybrid Thermal Management (Passive + AC Cooling)	Air/AC
14	Transportable with pre-charge	Yes
15	Battery modules recyclable	Yes
16	Net recycling value of the battery module	Positive
II	<b>Battery Parameters</b>	
1	Technology	Vanadium redox flow
2	Voltage of each module	104V~166.4V
3	Max current of each module	577A
4	Unit power of charge and discharge	60kW
5	Unit energy discharge capacity	240kWh
6	Max number of modules in series	18
7	Max dimension of each battery	6.058m(L)×2.438m(W)×2.591m(H)
8	Weight	21T
9	Ambient operating temperature	-20℃~50℃ (other temperatures optional)
10	Storage temperature	0℃~45℃ (long term storage)
11	Protection of battery module (Indoor/outdoor)	IP54 (optional up to IP65)
12	Short circuit current	2500A
13	Communications	Modbus/TCP/CANbus/Ethernet
14	Auxiliary supply	380V/AC ,50Hz, Three phase Stop: 0.2kW Operation: 3.2kW-8.6kW
15	Energy efficiency	80%DC(without considering self-consumption)
III	<b>Certificates</b>	
1	IEC 62932-2-1	Yes
2	IEC 62932-2-2	Yes

<b>Document Version</b>	<b>Release Date</b>	<b>Revision History</b>
V1.0	2025-04-16	<b>Official Launch (V1.0)</b>