

BESS-T

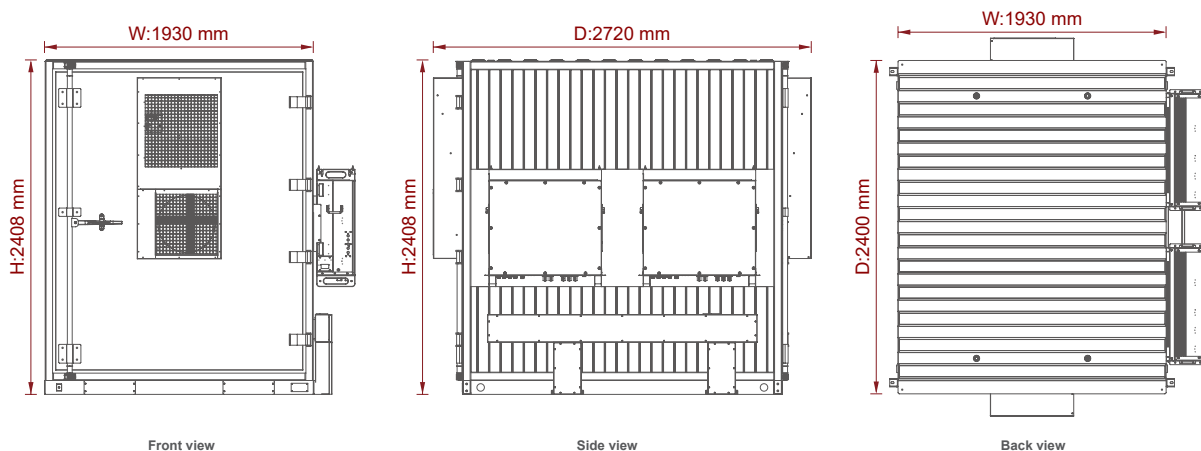
On-grid All-in-one Energy Storage System BESS-T 430-832



• Features

- Multi level BMS built-in.
- IP55 fire and explosion proof cabinet.
- Scalable in power and capacity.
- Easy for on site installation.
- Fire proof devices in each modular and in the cabinet.

• Product Dimensions



• Technical Parameter

BESS-T 430-832					
Battery Parameters					
Battery Module	Voltage	57.6V			
	Capacity	314 Ah			
	Energy	18 kWh			
	Cooling method	Air cooling			
Battery Cluster	Rated voltage	1324.8Vdc			
	Grouping method	2P 414 S			
	Rated capacity	314 Ah			
	Output voltage range	1159.2VDC~1490.4VDC			
	Rated energy	832kWh			
	Max continuous charging current	190A*2			
	Max continuous discharge current	190A*2			
	Charge cut-off voltage	1449V			
	Discharge cut-off voltage	1242V			
Work Environment	Charging operation temperature range	0~45°C			
	Discharging operation temperature range	-20~50°C			
	Working humidity	RH≤80%			
Storage Environment	Storage temperature(<6month)	0~35°C			
	Short-term storage temperature(<1month)	-20~55°C			
	Storage humidity	RH≤80%			
Cabinet	Protection level	IP54			
PCS Parameters					
PCS Parameter	Rated current	180A			
	PCS overload capacity	110% long-term			
	PCS output power	125kW	150kW	215kW*2	250kW*2
	AC-side voltage of PCS	400V	480V	690V	800V
	Frequency	50Hz/60Hz			
	Power factor	-1~1			
	Battery side voltage	600V~1500V	725V~1500V	1000V~1500V	1150V~1500V
	Maximum efficiency	97.6%	97.8%	99%	99%
System Parameters					
System Parameters	Dimension(W*D*H)	1890*2000*2450mm			
	Weight	7500kg			
	Display	7-inch HMI			
	Fire protection systems	Aerosol Fire Module			
	Degree of protection	IP55			
	Certification	CE;IEC62619;UN38.3			
	Working temperaturerange	-30~60°C(> 45°C derating)			
	Cooling	Intelligent Thermal Management System			
	Relative humidity	5~95%(No Condensing)			
	Highest altitude	4000m(>2000m derating)			