

BESS C Series

BESS-1000KW-2250KWh



Industrial Energy Storage System

PRODUCT TOPOLOGY

Standard Proposal

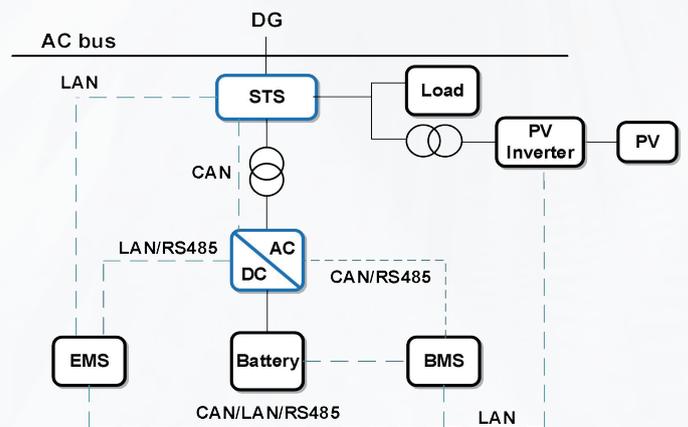
	Equipment	Remark
BESS-C2000	PCS	1000KW
	Batttery	2250KWh

HIGHLIGHTS:

SAIL SOLAR provides the integrated system solution with one stop service

With multiple operating modes to meet customer needs

Optimal configuration, high cost performance ratio



Module ID	Equipment	Model	Quantity
BESS-C2000	Lithium battery	SAS51314	140
	Battery management system	BMU, BAU, BCU High voltage box	1
	Control cabinet	1kva ups, 500w 24v power supply	1
	PCS	500KW	2
	EMS(energy storage system)	For 2250 KWh energy storage system	1
	Container	40'HQ	1
	STS	Grid-tied/off-grid switch time<200ms	1

*The battery quantity can be adjusted according to actual conditions
 *The PV side can be customized
 *The above table shows the core components. Accessories are subject to the actual project installation.

MODEL

BESS-C2000

System Parameter

AC rated power	1000kW
Battery capacity	2250kWh
AC voltage	3P/400V
Rated grid frequency	50/60Hz

PCS Parameter

Model	MEGA0500T
DC(battery)	
Voltage range (V)	500-850
Max. current (A)	1128
AC(on-grid)	
Max. output power (kW)	550
Rated output power (kW)	500
Rated voltage (V)	400
Voltage range (V)	320~460
Rated current (A)	722
Max. output current (A)	794
Rated frequency (Hz)	50/60

Battery Parameter

Model	SAS51314*140
Battery Type	LiFePO4(LFP)
Nominal Voltage (V)	51.2
Nominal Capacity (kWh)	16.07
Voltage Range (V)	43.2 ~57.6
Max. Charge/Discharge Current(A)	200
Communicaiton	RS485/CAN
Weight (Kgs)	18200
Design Life	10 years+
Cycle Life	>6000 @25°C

Environment

Maximum operation altitude	4000m
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Working Temperature

Charge : 0 ~ 55°C / Discharge : -20°C ~ 55°C

*This parameter is shown as part of the standard plan, can be customized; Subject to actual delivery

*PCS data is Megarevo, Other brand is optional

