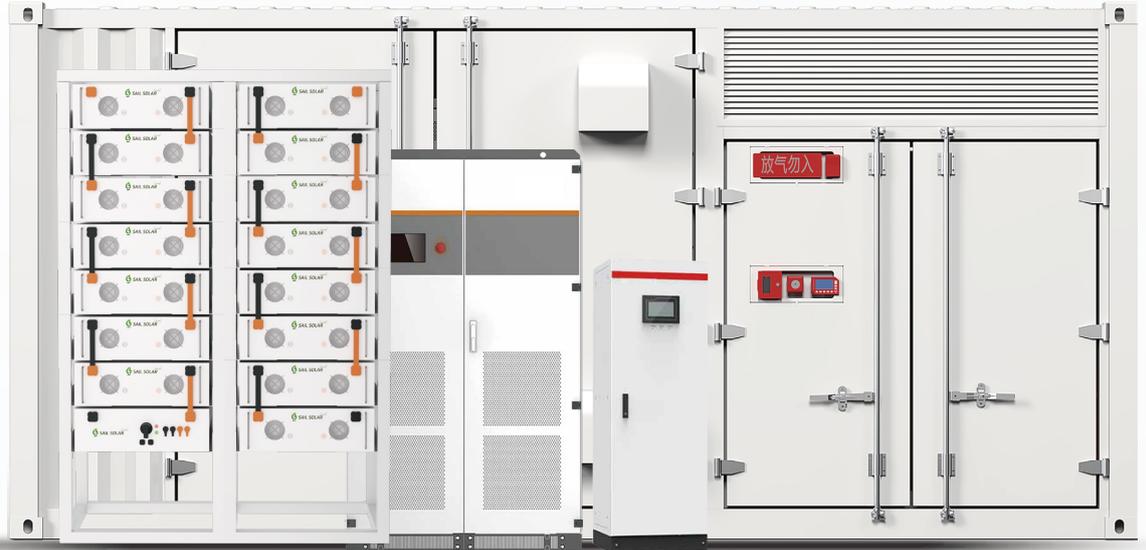


BESS C Series

BESS-500KW-1205KWh



Industrial Energy Storage System

Standard Proposal

	Equipment	Remark
BESS-C1000	PCS	500KW
	Battery	1205KWh

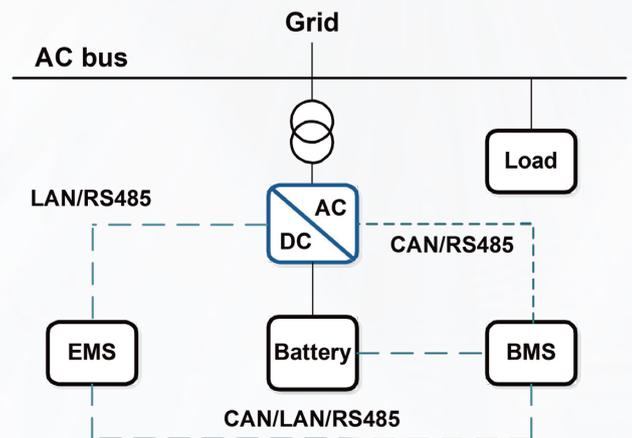
HIGHLIGHTS:

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

PRODUCT TOPOLOGY



Module ID	Equipment	Model	Quantity
BESS-C1200	Lithium battery	SAS51314	75
	Battery management system	BMU, BAU, BCU High voltage box	1
	Control cabinet	1kva ups, 1500V1250A 24v power supply	1
	PCS	500KW	1
	EMS(energy storage system)	For 1205 KWh energy storage system	1
	Container	20'GP	1

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

MODEL

BESS-C1200

System Parameter

AC rated power	500kW
Battery capacity	1205kWh
AC voltage	3P/400V
Rated grid frequency	50/60Hz

PCS Parameter

Model	MEGA0500
DC(battery)	
Voltage range (V)	600-900
Max. current (A)	929
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)	800
Rated frequency (Hz)	50/60

Battery Parameter

Model	SAS51314*75
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)	9750
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 on grid plan, can be customized; Subject to actual delivery

*PCS data is Megarevo, Other brand is optional

