

The Main Configuration of Container ESS

350KWh ESS (Output power 300KW)

ITEM	Specification	QTY
CELL	3.2V80Ah	1296pcs
Pack	76.8V80Ah (cell 1P24S)	54 pcs
Battery cluster	691.2V80Ah (Pack1P9S)	6 pcs
High voltage box /PDU		6 pcs
Bracket		6 pcs
Battery system	691.2V480Ah / 332KWh (battery cluster * 6 in parallel + high voltage boxes *6 + brackets *6)	1 set
Container	20ft container	1
PCS	300KW (Including 380V three-phase to 220V three-phase transformer)	1 set
STS	300KW	1 set
EMS		1 set
Firefighting system		1 set
Lighting system		1 set
Air conditioning system		1 set
Emergency escape system		1 set
Dynamic environment monitoring system		1 set
Remark		
Product certification	because it belongs to customized product, certifications need be done according to customer's requirements	
Transportation certification:	Battery MSDS, UN38.3,	
PCS Price	PCS price is the preliminary quotation, the transformer cost is not included, and the accurate quotation shall be calculated in the specific design.	
Output voltage 220V	The 220V output is a preliminary design multiple output, and the single output current is too large to meet. The specific connection mode with the load needs follow-up design communication, and the cost will change.	
Price adjusted	According to the detailed design, the price maybe will be adjusted according to the specific requirements.	

500KWh ESS (Output power 500KW)

ITEM	Specification	QTY
CELL	3.2V120Ah	1368pcs
Pack	38.4V240Ah (cell 2P12S)	57 pcs
Battery cluster	729.6V240Ah (Pack1P19S)	3 pcs
High voltage box /PDU		3 pcs
Bracket		9 pcs
Battery system	729.6V720Ah / 525.3KWh (battery cluster * 3 in parallel + high voltage boxes *2 + brackets *9)	1 set
Container	20ft container	1
PCS	500KW (Including 380V three-phase to 220V three-phase transformer)	1 set
STS	500KW	1 set
EMS		1 set
Firefighting system		1 set
Lighting system		1 set
Air conditioning system		1 set
Emergency escape system		1 set
Dynamic environment monitoring system		1 set
Remark		
Product certification	because it belongs to customized product, certifications need be done according to customer's requirements	
Transportation certification:	Battery MSDS, UN38.3,	
PCS Price	PCS price is the preliminary quotation, the transformer cost is not included, and the accurate quotation shall be calculated in the specific design.	
Output voltage 220V	The 220V output is a preliminary design multiple output, and the single output current is too large to meet. The specific connection mode with the load needs follow-up design communication, and the cost will change.	
Price adjusted	According to the detailed design, the price maybe will be adjusted according to the specific requirements.	

1MWh ESS (Output power 1MWh)

ITEM	Specification	QTY
CELL	3.2V120Ah	2736pcs
Pack	38.4V240Ah (cell 2P12S)	114 pcs
Battery cluster	729.6V240Ah (Pack1P19S)	6 pcs
High voltage box /PDU		6 pcs
Bracket		18 pcs
Battery system	729.6V1440Ah / 1050.6KWh (battery cluster * 6 in parallel + high voltage boxes *6 + brackets *18)	1 set
Container	40ft container	1 pcs
PCS	500KW (Including 380V three-phase to 220V three-phase transformer)	2 set
STS	500KW	2 set
EMS		1 set
Firefighting system		1 set
Lighting system		1 set
Air conditioning system		1 set
Emergency escape system		1 set
Dynamic environment monitoring system		1 set
Remark		
Product certification	because it belongs to customized product, certifications need be done according to customer's requirements	
Transportation certification:	Battery MSDS, UN38.3,	
PCS Price	PCS price is the preliminary quotation, the transformer cost is not included, and the accurate quotation shall be calculated in the specific design.	
Output voltage 220V	The 220V output is a preliminary design multiple output, and the single output current is too large to meet. The specific connection mode with the load needs follow-up design communication, and the cost will change.	
Price adjusted	According to the detailed design, the price maybe will be adjusted according to the specific requirements.	

2MWh ESS (Output power 2MWh)

ITEM	Specification	QTY
CELL	3.2V120Ah	5472pcs
Pack	38.4V240Ah (cell 2P12S)	228 pcs
Battery cluster	729.6V240Ah (Pack1P19S)	12 pcs
High voltage box /PDU		12 pcs
Bracket		36 pcs
Battery system	729.6V720Ah / 2101.25KWh (battery cluster * 12 in parallel + high voltage boxes *12 + brackets *36)	1 set
Container	40ft container	1 pcs
PCS	500KW (Including 380V three-phase to 220V three-phase transformer)	4 set
STS	500KW	4 set
EMS		1 set
Firefighting system		1 set
Lighting system		1 set
Air conditioning system		1 set
Emergency escape system		1 set
Dynamic environment monitoring system		1 set
Remark		
Product certification	because it belongs to customized product, certifications need be done according to customer's requirements	
Transportation certification:	Battery MSDS, UN38.3,	
PCS Price	PCS price is the preliminary quotation, the transformer cost is not included, and the accurate quotation shall be calculated in the specific design.	
Output voltage 220V	The 220V output is a preliminary design multiple output, and the single output current is too large to meet. The specific connection mode with the load needs follow-up design communication, and the cost will change.	
Price adjusted	According to the detailed design, the price maybe will be adjusted according to the specific requirements.	

10MWh ESS (Output power 10MWh)

ITEM	Specification	QTY
CELL	3.2V120Ah	27360pcs
Pack	38.4V240Ah (cell 2P12S)	1140 pcs
Battery cluster	729.6V240Ah (Pack1P19S)	60 pcs
High voltage box /PDU		60 pcs
Bracket		180 pcs
Battery system	729.6V720Ah / 2101.25KWh (battery cluster * 60 in parallel + high voltage boxes *60 + brackets *180)	1 set
Container	40ft container	5 pcs
PCS	500KW (Including 380V three-phase to 220V three-phase transformer)	20 set
STS	500KW	20 set
EMS		1 set
Firefighting system		5 set
Lighting system		5 set
Air conditioning system		5 set
Emergency escape system		5 set
Dynamic environment monitoring system		5 set
Remark		
Product certification	because it belongs to customized product, certifications need be done according to customer's requirements	
Transportation certification:	Battery MSDS, UN38.3,	
PCS Price	PCS price is the preliminary quotation, the transformer cost is not included, and the accurate quotation shall be calculated in the specific design.	
Output voltage 220V	The 220V output is a preliminary design multiple output, and the single output current is too large to meet. The specific connection mode with the load needs follow-up design communication, and the cost will change.	
Price adjusted	According to the detailed design, the price maybe will be adjusted according to the specific requirements.	