


PYLONTECH

Powercube H1

500kW/1,15MWh | 40ft Container



System	Product	Description	Quantity
Container	Container Case	40FT GP container	1 pcs.
	Air-condition	Air conditioning used in battery cabin, 5kW each	2 pcs.
	Air Fan	Provide air flow for PCS	4 pcs.
	Fire fighting equipment	Novec-1230	1 pcs.
	Fire fighting controller	Controller for automation equipment	1 pcs.
Power Cabin	PCS	500kW, PWS1-500KTL-M8, 3P3W transformerless design 8 cluster PCS connect to 8 group of battery separately	1 pcs.
	DC confluence Cabinet	DC confluence cabinet	1 pcs.
	Control cabinet	Place monitoring system, MBMS and UPS system; incl. auxiliary device switch and PDU	1 pcs.
	MBMS	Master BMS (3rd level controller)	8 pcs.
	UPS system	UPS + 2.4kWh UPS battery, provide power supply for BMS and MBMS	1 pcs.
Battery Powercube H1	Battery Rack	Each cabinet for 1 BMS and 19 modules max.	32 pcs.
	Battery module	48V50Ah module	480 pcs.
	BMS	Internal power supply Battery controller	32 pcs.
Cables	Power cable	Power cable connect from Battery rack to DC cabinet, further to PCS	32 pcs.
	Communication cable	Com. cable connect from Battery rack to MBMS, further to PCS	32 pcs.
	Auxiliary Device cable	Power and comm. cable for auxiliary device	1 pcs.
	Battery module internal cable	Internal communication and power cable	32 pcs.

System information

Discharge cut-off voltage	675
Charge cut-off voltage	798,75
Nominal capacity at BOL(kWh)	1152
Usable capacity at BOL@90%DoD(kWh)	1037



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