

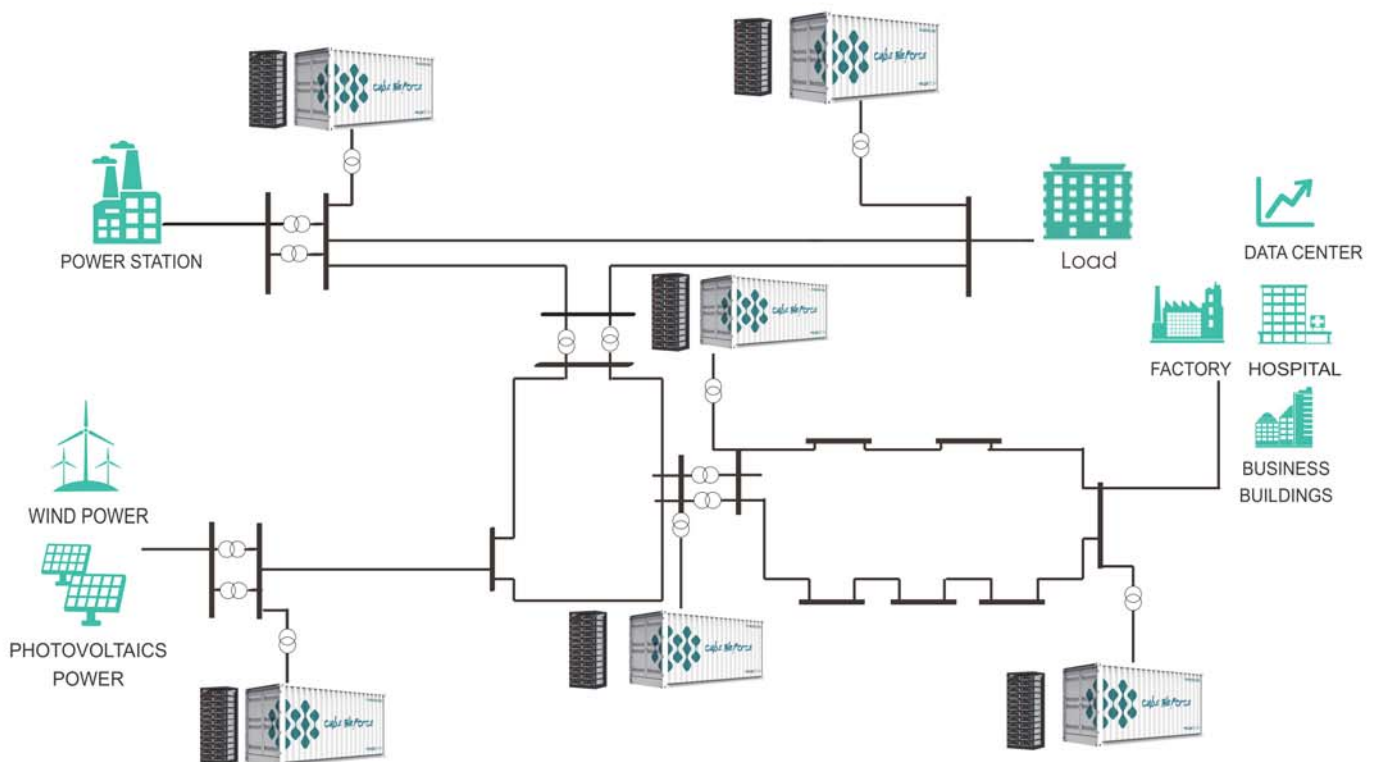


HIGH VOLTAGE ENERGY STORAGE SYSTEM

Pylon Technologies Co., Ltd.

Along with the wide deployed residential ESS Phantom series, Pylontech is proud to announce our High Voltage energy storage system serving the commercial/industrial/grid level customers – Powercube series.

Powercube series products with its modular design concept, enables the highest flexibility both for rack mounted and container based constructions, giving the flexibilities for customer to deploy the system nearly in any nodes in the grid, supporting the services such as emergency power, new energy stabilizer, energy shifting, load shaving, grid stabilizer, frequency responding (under development). With our deep experience in BESS (battery energy storage system), vertical industrial chain consolidation and fantastic ROI control, Pylontech Powercube will be your trustable system in all ESS application.



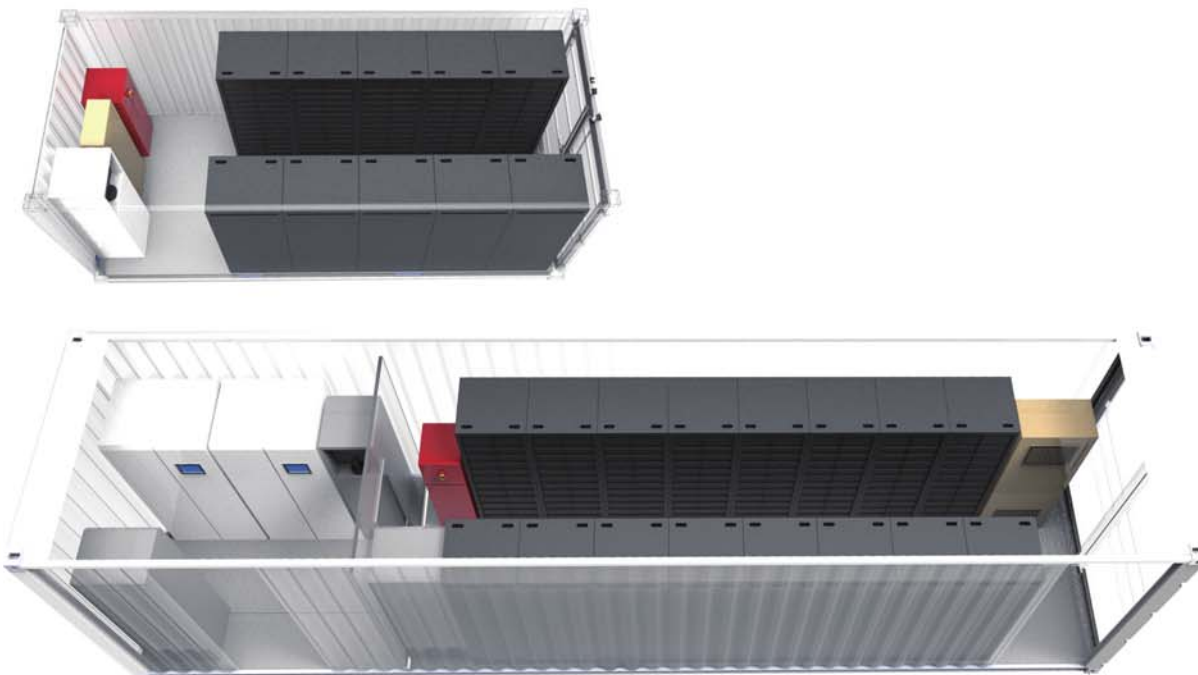
Vertically integrated the whole lithium battery industrial chain



Key features:

- 1, Vertical industry integration chain
- 2, Modular design with different density, suits all scenarios.
- 3, Flexible voltage range from 100VDC to 1000VDC.
- 4, Three levels management system design delivers highest reliability.
- 5, Rack mounted or container based system configuration

Layout of the Container



High voltage energy storage system

Powercube-X series
144-336V



Basic Parameters	Powercube-X1 (336V50AH)
	H48050
Battery System Capacity(kWh)	16.80
Battery System Voltage(Vdc)	336
System Voltage Range(Vdc)	310~378
Efficiency	96%
Depth of Discharge	90%
Dimension(W*D*H, mm)	600*505*1300
Weight(Kg)	250
Design Life	10+Years
Operation Temperature (°C)	0~50
Humidity	5%~95%
Altitude	<2000
Battery Module Qty.(Optional)	3~7 pcs
Authentication Level	IEC62619/CE/VDE

Powercube-H series
240-720V



Basic Parameters	Powercube-H1 (720V50AH)	Powercube-H2 (576V74AH)
	H48050	H48074
Battery System Capacity(kWh)	36.00	42.62
Battery System Voltage(Vdc)	720	576
System Voltage Range(Vdc)	664~810	531~648
Efficiency	96%	96%
Depth of Discharge	90%	90%
Dimension(W*D*H, mm)	600*505*2130	600*505*2130
Weight(Kg)	400	450
Design Life	10+Years	10+Years
Operation Temperature (°C)	0~50	0~50
Humidity	5%~95%	5%~95%
Altitude	<2000	<2000
Battery Module Qty.(Optional)	5~15 pcs	5~12 pcs
Authentication Level	IEC62619/CE/VDE	IEC62619/CE

High voltage energy storage system

Powercube-M series 32-736V



Basic Parameters	Powercube-M1 (736V148AH)	Powercube-M2 (729V240AH)
	H32148	H38240
Battery System Capacity(kWh)	108.93	175.10
Battery System Voltage(Vdc)	736	729
System Voltage Range(Vdc)	621~828	615~821
Efficiency	96%	96%
Depth of Discharge	90%	90%
Dimension(W*D*H, mm)	815*659*2130	1040*773*2350
Weight(Kg)	1,250	1,730
Design Life	10+Years	10+Years
Operation Temperature (°C)	10~40	10~40
Humidity	5%~95%	5%~95%
Altitude	<2000	<2000
Battery Module Qty.(Optional)	1~23 pcs	1~19 pcs
Authentication Level	IEC62619/CE/UL	IEC62619/CE

Powercube-20H/40H



Basic Parameters	20ft High Voltage System Container	40ft High Voltage System Container
	POWERCUBE-20H (M1)	POWERCUBE-40H (M1)
System Capacity(MWh)	1.3	2.6
System Voltage Range(Vdc)	736(690-828)	736(690-828)
Dimension(L*W*H, M)	6.058*2.438*2.896	12.192*2.438*2.896
Weight(Ton)	18	35
Ambient Temperature (°C)	-20-50	-20-50
Communication	CAN/RS485	CAN/RS485



Basic Parameters	20ft High Voltage System Container	40ft High Voltage System Container
	POWERCUBE-20H (M2)	POWERCUBE-40H (M2)
System Capacity(MWh)	1.4	3.3
System Voltage Range(Vdc)	729(615-820)	729(615-820)
Dimension(L*W*H, M)	6.058*2.438*2.896	12.192*2.438*2.896
Weight(Ton)	22	45
Ambient Temperature (°C)	-20-50	-20-50
Communication	CAN/M odbus RTU/TCP	CAN/M odbus RTU/TCP

System design can be customized according to the requirement

Global Delivery

