

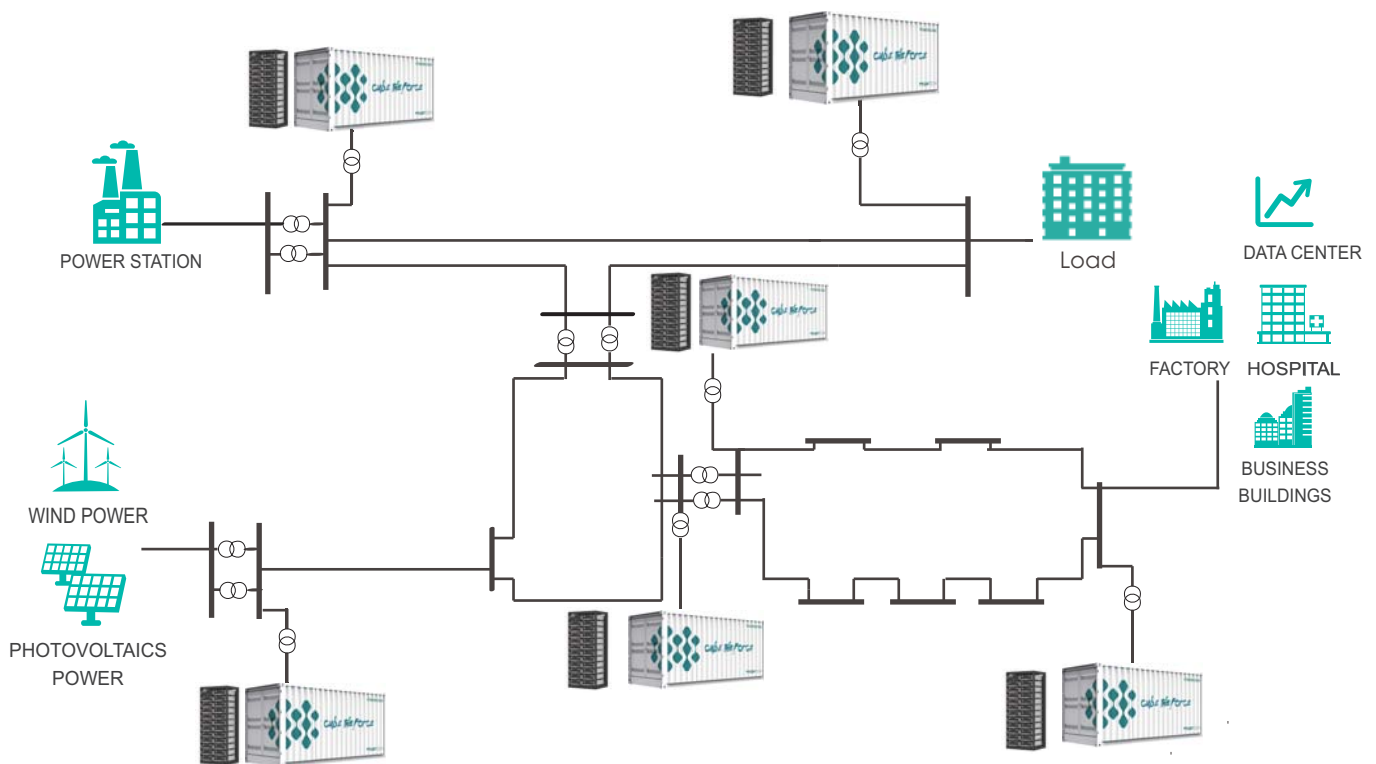


# **HIGH VOLTAGE ENERGY STORAGE SYSTEM**

# 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.



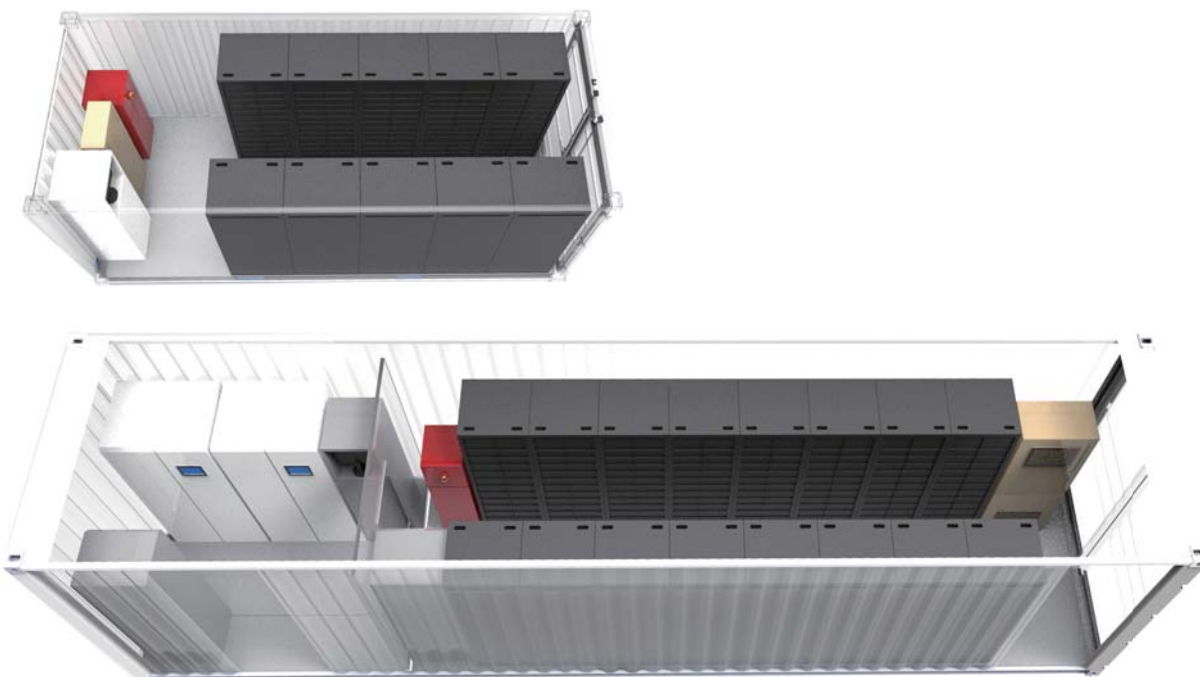
## Vertically integrated the whole lithium battery industrial chain



### 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 Usable Capacity(kWh)	15.12
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
Protection Class	IP20
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 UsableCapacity (kWh)	32.40	38.36
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*213	600*505*2130
Weight(Kg)	400	450
Design Life	10+Years	10+Years
Operation Temperature (°C)	0~50	0~50
Protection Class	IP20	IP20
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

# Global Delivery

