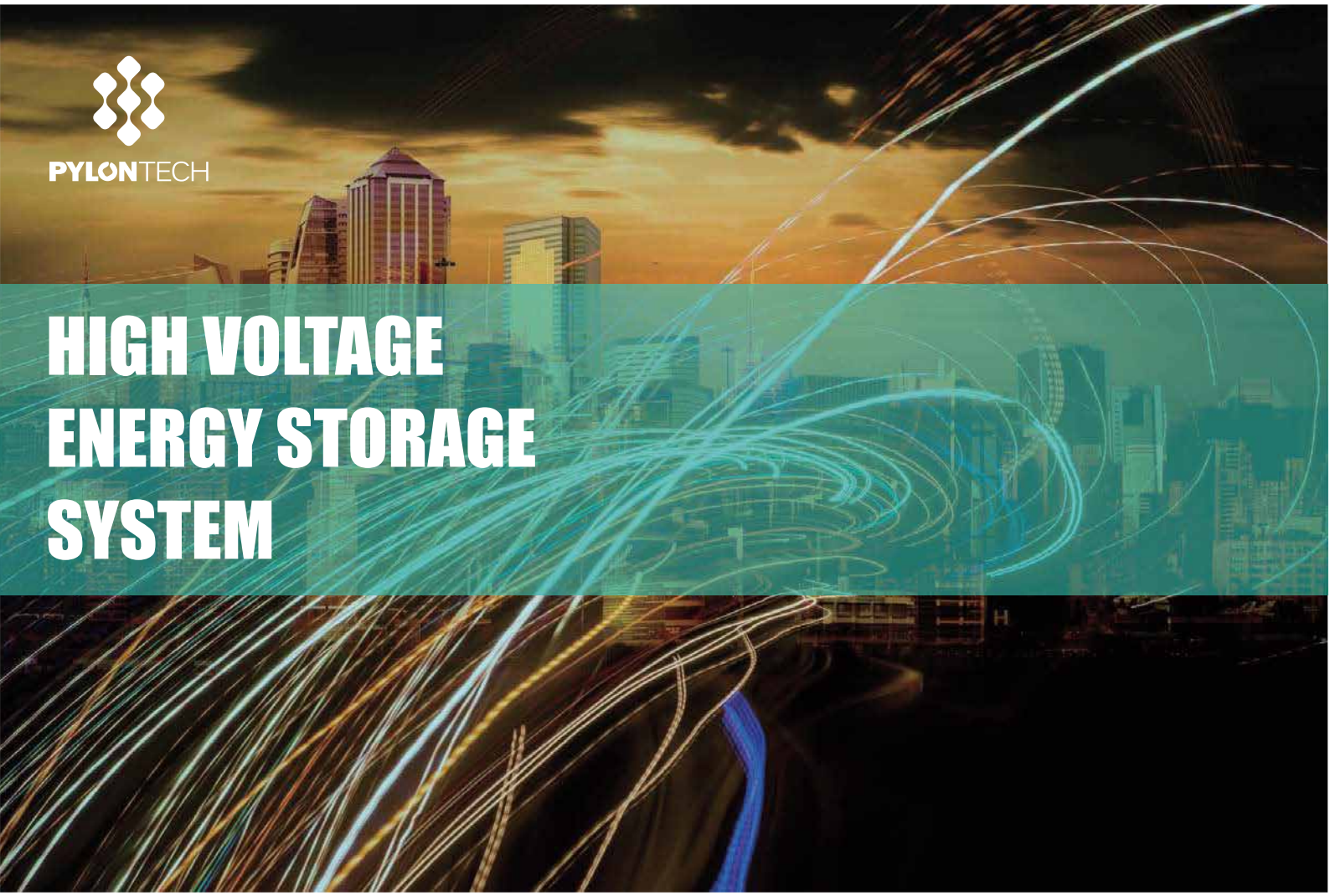


PYLONTECH

HIGH VOLTAGE ENERGY STORAGE SYSTEM

Pylontech’ s HV battery is developed to satisfy the medium-large capacity energy storage system such as domestic three-phase inverter, small factory or hospital energy storage, with self-developed BMS and reliable LFP technology, Pylontech’ s HV battery is your right choice to enable the fastest ROI.

Features

Voltage range up to 800V, current range up to 200A, satisfies most of the ESS scenarios.

Self-designed BMS protects the cell in all angels such as abnormal temperature, current, voltage, SoC, SoH, BMS co-operate with the PCS to ensure the safety and efficiency.

Ready for container type design to ensure the easy installation.

Advantages

- Voltage adjustable from 150V to 800V
- Capacity expandable with the voltage increase
- High power output – 2C continuous and 3C pulse
- Active balancing system even between different modules
- More accurate SoC calculating algorithm
- Safety Cert.: TÜV、CE、UN38.3、TLC

Application Scenarios

The system can be widely deployed in the grid level energy storage, higher capacity PV energy storage, data center power backup etc.

HOSPITAL

RESIDENTIAL AREA

WIND POWER

FACTORY

BUSINESS BUILDINGS

RESIDENTIAL BUILDING

DATA CENTER

PHOTOVOLTAICS POWER

POWER STATION

NEW ENERGY RESIDENTIAL

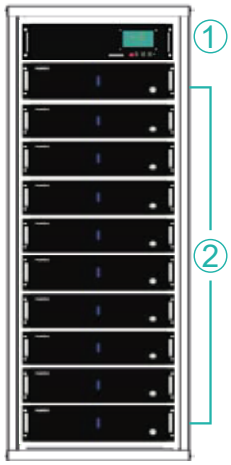
Solution

① Main controller System structure

The system contains one control module and several battery modules.
Achieve all kinds of voltage and capacity (up to 800VDC) by 48 VDC Moduler in Series
Expandable based on same voltage platform system in parallel.

② Battery module Spec of battery module

Nominal voltage: 48V
Nominal capacity: 50 Ah
Max charging current: 100 A
Max discharging current:100A
Dimension:436*550*132mm(W*D*H)
Weight: 26kg



Specifications

SPECIFICATION	PARAMETER	PHANTOM-X
System Parameter	System voltage (V)	384
	System capacity (Ah)	50
	System capacity (KWh)	19
Mechanism	Dimension (mm)	600*600*1600(W*D*H)
	Weight (Kg)	280
Electricity	Charging voltage(Vdc)	420 ~ 432
	Discharging voltage(Vdc)	432 ~ 360
	Normal Charge Current(A)	25A
	Max charging current(A)	100A@1Min
	Normal Discharge Current(A)	25A
	Max discharging current(A)	100A@1Min
Other	Communication Port	RS232,RS485,CAN
	Working Temperature	0℃~50℃
	Shelf Temperature	-40℃~80℃
	Certification	TÜV(62619),CE,TLC
	Design life	＞10+ Years（25℃/77℉）
	Cycle Life	>3500 (80% DOD)