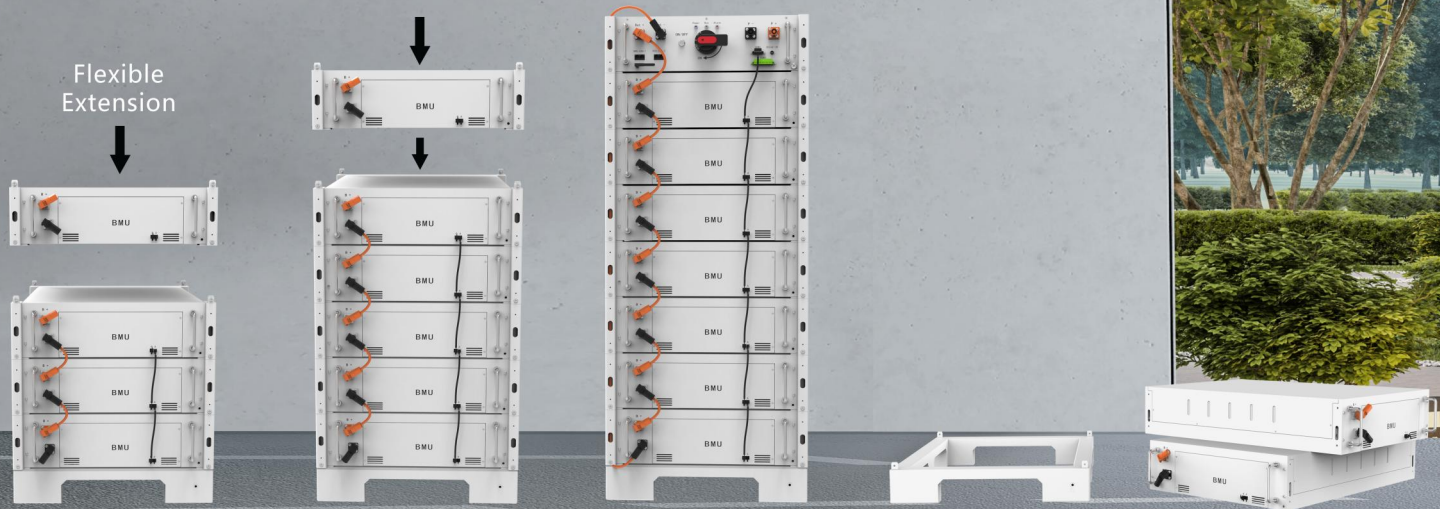


# Tower-X-HV-716V100Ah

## High Voltage Stackable Energy Storage System



### Product introduction

Tower-X-HV-716V100Ah features a modular design, combining lithium iron phosphate batteries, high voltage control box, intelligent BMS, natural cooling system, etc. It boasts safety, reliability, rapid deployment, cost-efficiency, high energy efficiency, and intelligent management.

### Product Features



Support 3-7PCS battery modules connected in series, flexible extension



OTA Remote upgrade, simple maintenance



Intelligently identify the master-slave batteries without DIP address



Support 6 clusters in parallel to get more energy



Easy connection for **Wi-Fi** remotely monitoring system anytime and anywhere



Modular design, easy to install, plug-and-play cable connection design



Adopt advanced BMS algorithms and use Cloud to achieve BMS full-time balancing which can ensure battery product SOC calculation is more accurate



BMS uses Cloud to achieve remote real time balance and increases the battery pack cycles performance so that the battery can be guaranteed for more than 10 years



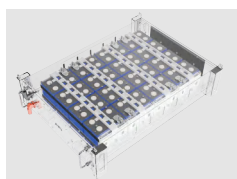
When more than 2 clusters are connected in parallel, there is no need an extra Combiner BOX. Direct connection reduces installation costs and equipment costs



Support Max. 1C charge & discharge

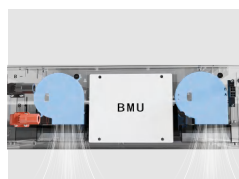
# Tower-X-HV-716V100Ah

## Energy storage system



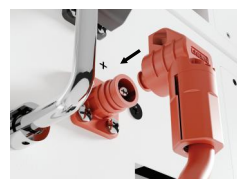
### Optimized structural safety

A+ quality EVE cell, 6000  
cycles at 90% DOD  
End-plate technology



### Air-cooled design

Built-in high-volume turbo fan covers,  
strong cooling performance



### Quick connector Design

Plug-in cable design for  
easy installation



### Full-time equalization BMS

Synchronized intelligent regulation  
of cell voltage at any time condition  
and temperature

## Model

## HV-Tower-32S100

### Basic Parameters

Capacity(kWh)	10.24
Nominal Voltage(Vdc)	102.4
Nominal Capacity(Ah)	100
Voltage Range(Vdc)	89.6-115.2
Depth of Discharge	90%
Dimension(W*D*H,mm)	745*517*153
Protection Class	IP20
Weight(kg)	75
Operation Life	15+ year



### High-Voltage-Battery cluster control box

Module No.:	Magic71
Controller Working Voltage(Vdc)	200-1000
System Operation Voltage(Vdc)	200-1000
Charge/Discharge Current(Max.)(A)	100
Self-consumption Power(W)	30
Dimension(W*D*H, mm)	745*517*240
Communication	Modbus RTU/CAN
Protection Class	IP20
Weight(kg)	25



## Function Parameters

Model No.	Tower-X-HV-716V100Ah
Basic Parameters	
Battery System Capacity (kWh)	10.24*n
Battery System Voltage (Vdc)	102.4*n
Battery System Capacity(Ah)	100
Battery Module	HV-Tower-32S100
Battery Module Capacity (kWh)	10.24
Battery Modules Qty. (Optional )	4-7
Battery System Charge Upper-Voltage(Vdc)	115.2*n
Charge/Discharge Current (Standard)(A)	50
Charge/Discharge Current (Normal)(A)	80
Charge/Discharge Current (Max.)(A)	100
Battery System Discharge lower-Voltage(Vdc)	89.6*n
Efficiency	98%
Depth of Discharge	90%
Dimension(W*D*H,mm)	755*527*1660
Communication	Modbus RTU/CAN
Weight (kg)	25kg+75*n
Operation Life	10+years
Operation Temperature	10~40°C
Storage Temperature	-20~60°C
Humidity	5%~95%
Altitude (m)	< 2000
Product Certificate	Cell UL1973/IEC62619/UL9540A/TUV/CE
Cycle Life	25±2°C/0.2C/80% DOD≥7000