

# Greentix flex 257

## Liquid Cooling Battery Energy Storage System

As a highly integrated energy storage device, the Greentix flex 257 Outdoor Integrated Cabinet is designed to cope with the power storage and management needs in complex outdoor environments, and is widely used in a variety of scenarios such as off-grid power supply, charging stations, industrial and commercial sectors, residential neighbourhoods.



### High Degree of Integration

- All-in-one design reduces transport and installation costs.
- Modular design is easy to expand and supports parallel connection of multiple machines.



### Safe and Reliable

- Intelligent monitoring and linkage to ensure system security.
- Fire detectors with gas fire.



### Intelligent Liquid Cooling

- Non-homogeneous runner design, temperature difference  $\leq 2^{\circ}\text{C}$ .
- Various liquid cooling control modes, reduce system power consumption.



### Intelligent and Portable

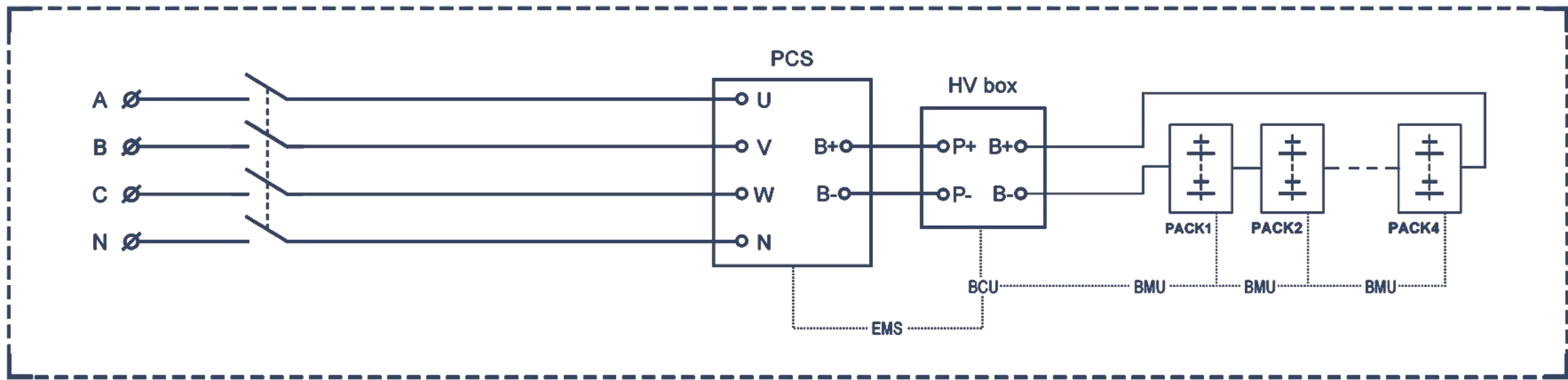
- Multiple operating modes to choose from, support for remote upgrade.
- Cloud-based monitoring and operation platform, supporting multiple device access.



## ★Applications

- Energy Storage System
- Photovoltaic Power
- Power System
- Commercial Building

## ★ TOPOLOGY DIAGRAM



## ★ SPECIFICATIONS

### DC SIDE PARAMETERS

Battery Cell Type	LFP
Battery Specification	3.2V/314Ah
Maximum Charge/Discharge Power	137.5kW
Rated Charge/Discharge Power	125kW
Charge/Discharge Ratio	0.5P
System Grouping Mode	1P256S
Rated Energy	257.2288kWh
Rated Voltage	819.2V
Voltage Range	716.8~921.6V
Cooling Mode	Liquid Cooling

### AC SIDE PARAMETERS

Rated AC Power	125kW
Rated Voltage	400V
AC Side Wiring Mode	Three-phase Four-wire
Rated Frequency	50/60Hz
Total Current Waveform Distortion Rate	<3%

### SYSTEM PARAMETERS

Operating Temperature Range	-20-50°C
Operating Humidity Range	0~95%RH, No Condensation
Maximum Working Altitude	2000m
Ingress Protection	IP55
Anti-corrosion System	C4
Fire Protection System	Aerosol Fire Extinguishing Device
Communication Interface	RS485/TCP
Dimension(W*D*H)	1044*1600*2053mm
Weight	2495 ± 5kg

**Note:** Before using this product, please read the relevant safety and installation instructions carefully.  
Any changes to the specifications in this data sheet will be notified separately.