

## Battery Container General Information

Net Dimensions WxDxH (mm)	2991x2438x2896 (10 ft) or 2440x6060x2590 (20 ft)
Container type	10 ft (430kWh & 645kWh) or 20 ft (860kWh)
Net/Gross Weight (kg)	<9.000 kg (10ft) or <18.000 kg (20 ft)
Noise level	<75 dB
Application scenario	Off-Grid, On-Grid, Microgrid
Ingress Protection	IP55 (IP20 optional)
Operation Temperature	-30 (minus) – +55°C (plus)
Relative Humidity	<95%, no condensing
Expected lifetime	10+ years
Warranty	System 2.5 years, Batteries 5-10 years (upon battery type and use case)

## Charging Station

Rated Output Power	240kW by CCS2 Charger
Input Voltage	EU-3ph 400Vac (U/V/W/N/PE)
Input External Plug	Busbar, Powerlock(optional)
Output External Plug	2 * CCS2 Guns

## Discharging Station

Rated Output Power	AC output 250kW or 500kW DC output 120kW-360kW CCS2 Charger (optional)
Output Voltage	EU-3ph 400Vac (U/V/W/N/PE)
Input External Plug	2 or 4 CCS2 Guns (120kW each)
Output External Plug	Busbar, Powerlock (optional), CEE form (optional)

## Battery Container

Nominal Battery Capacity	430 kWh, 645 kWh, 860 kWh
Battery Type	LFP 280 Ah (CATL)
Maximum Discharge/Charge	1C/1C
Operating Voltage DC	672V-864V
Maximum Current DC	468A, 702A, 936A
Battery Cycle Life	5years or 5000cycles (80% SOH)
Charging Port	2 * CCS2 ports (120kW each)
Discharging Port	2 * CCS2 ports (250kW) or 4* CCS2 ports (500kW)

Subject to technical changes, errors excepted



## Product combinations

- Battery Container: 10ft or 20ft container with 430 kWh, 645 kWh, 860 kWh
- Charging Station: AC grid CCS2 charger in 10ft lift skid
  - Input grid AC 240kW
  - Output DC 240kW by 2 CCS2 guns to Battery Container
- AC Grid CCS2 Charger to 240kW to load Power Blocks
- Discharging Station: Power Conversion System (PCS) in 10ft lift skid
  - Input DC 250kW from Battery Container
  - Output AC 250kW or 500kW
  - Simultaneous and independent loaded by Battery Containers
- AC Charger to 360V-DC to load Power Blocks in 10ft lift skid

## Protection & Features

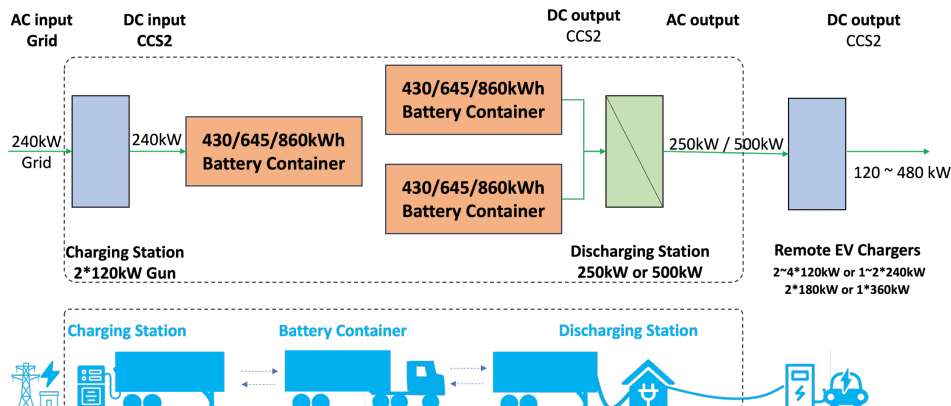
**Protection:** Overvoltage protection, Over current protection, Overload protection, Short circuit protection, Over temperature protection, Anti-Island protection, Insulation monitoring, Residual current monitoring, Battery reverse polarity protection, Overheat protection  
**Features:** Bi-Directional charging (at 50 Hz), Peak Shaving Mode, Fire Propagation (compliant with UL9540A, in accordance with PGS-37 (2)), Software on EU based servers

## Certification

CE, IEC, VDE/EN50549 (optional)

## Use cases

- Charging and discharging load (-bank)
- Replace diesel generator in off-grid application
  - Off-grid power supply to a temporary or stationary site
  - Off-grid EV Charging Service
  - Events
- Peak shaving from grid
- Peak shaving from DG or solar power



430kWh Battery Container and 240kW Charging Station



430kWh Battery Container and 250kW Discharging Station

