

Powertech Pty Ltd

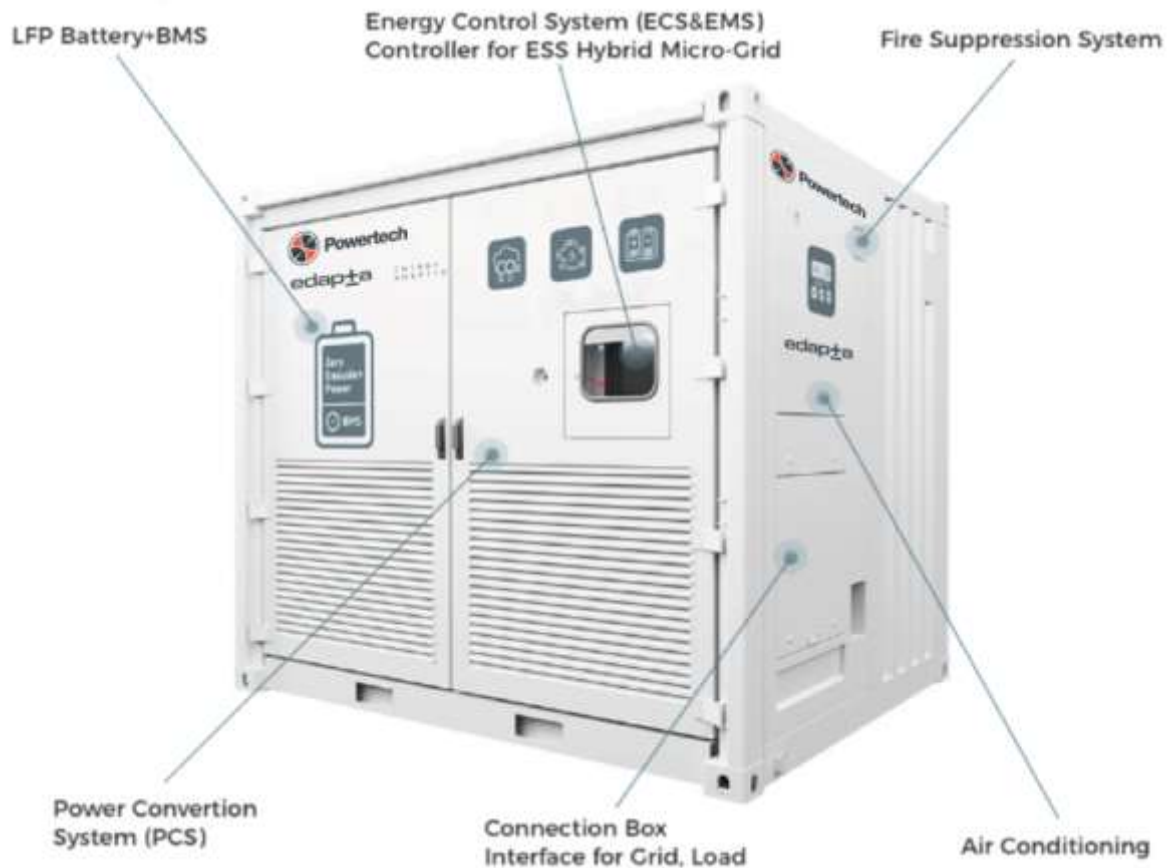


CONTAINERISED HYBRID POWER SYSTEM



Powertech

edap₊a



The image above show our standard size 10' container

FEATURES

All-In-One design, highly integrated, plug and play, compatible with many brands of diesel/gas engines.

Built-in 13.3 inch touch screen, remote monitoring, control, diagnosis, and maintenance.

EMS controls generator to run at its highest efficiency power rating, then turns off.

Reduce fuel consumption, lower carbon emissions, contribute to sustainable development goals.

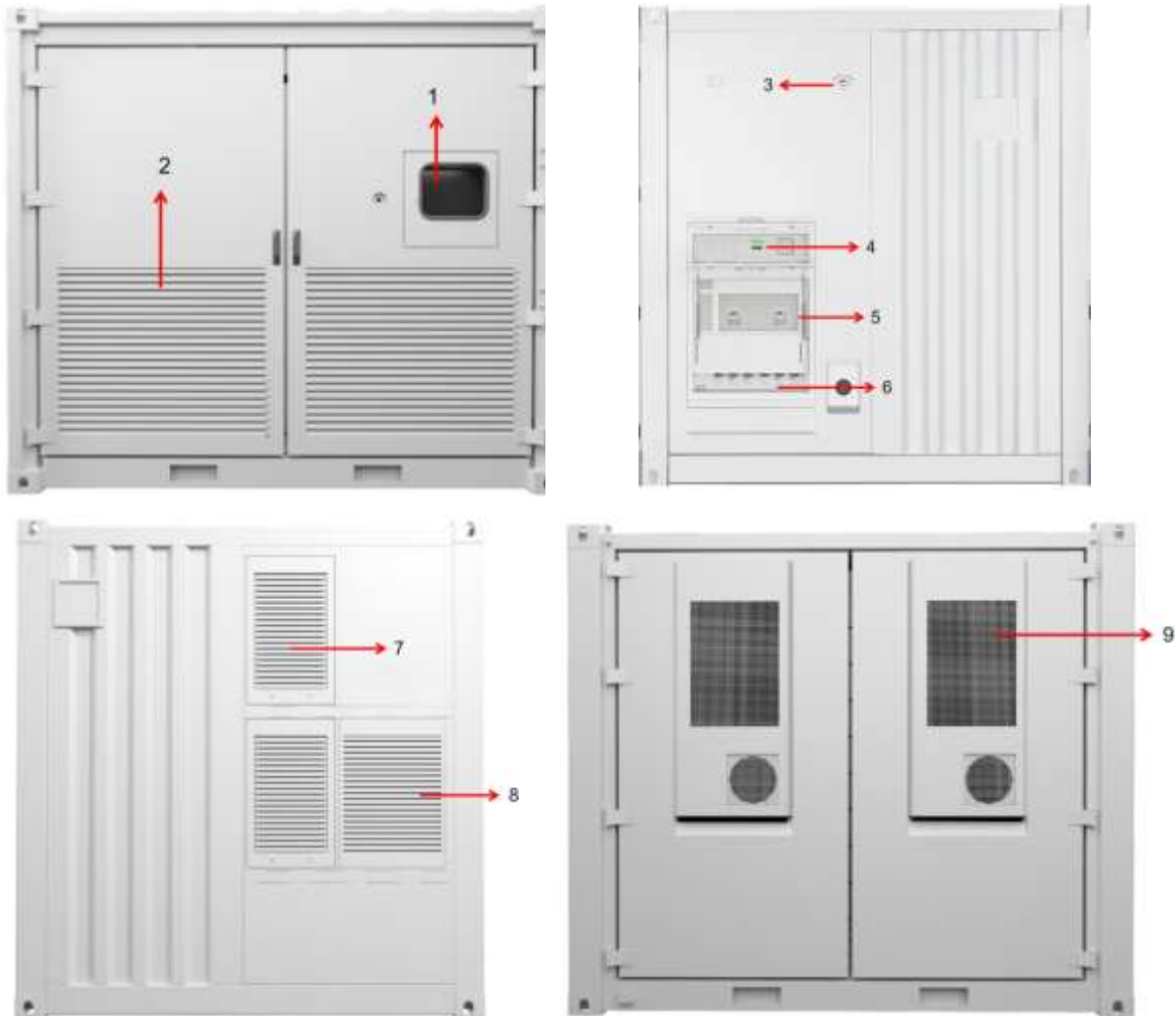
Optional cloud platform: remote maintenance, real-time big data analysis, integration control on cloud and edge devices.

The generator can be periodically turned off for maintenance requirements, or to provide silent operation overnight.

SPECIFICATION

| Technical parameters | |
|--------------------------------|--|
| Model | HPS-125-241 |
| Electrical Parameters | |
| PCE Power | 125 kVA: Continuous 138 kVA: 10 minutes 150 kVA: 1 minute 156 kVA: 10 seconds 188 kVA: 0.2 seconds |
| Continuous AC Current | 180 A |
| Peak AC Current (0.2s) | 271 A |
| AC Fault Current | 400 A |
| Rated Voltage | 400-415 VAC |
| Wiring Method | Three-phase 3P + N + PE |
| On/Off-grid Switching Settings | Yes |
| On/Off-grid Switching Time | 20ms + contactor switching time |
| Battery Parameters | |
| Battery Energy Storage | 241 kWh |
| Battery Type | Lithium-iron phosphate (LFP) |
| Nominal Voltage | 768 V |
| Maximum Continuous Charge | 1C @ 25°C |
| Maximum Continuous Discharge | 1C @ 25°C |
| Working Temperature Range | Charge: 0°C ~ 50°C Discharge: -20°C ~ 50°C |
| System Parameters | |
| System Size (W x H x D) | 2,991 × 2,591 × 2,438 mm |
| Weight (max) | < 8 tonnes |
| Ingress Protection Degree | IP 55 |
| Certification | AS/NZS 4777.2, IEC62619, IEC61000, IEC62477, IEC 63056, NRS-097, UN38.3 |
| Altitude | 5,000 m (Derating above 3,000 m) |
| Communication | RS485, Ethernet, CAN2.0 |

APPEARANCE



Images above show our standard size 10' container.

| Position | Description |
|----------|---------------------------------|
| 1 | HMI observation glass window |
| 2 | Cooling air inlet |
| 3 | Sound and light alarm |
| 4 | Communication cable junction |
| 5 | External electrical main switch |
| 6 | Industrial power terminal block |
| 7 | Cooling air outlet |
| 8 | Transformer cooling |
| 9 | Air conditioning |



powertech.com.au

