Powertech Pty Ltd



CONTAINERISED HYBRID POWER SYSTEM

Powertech

edapta



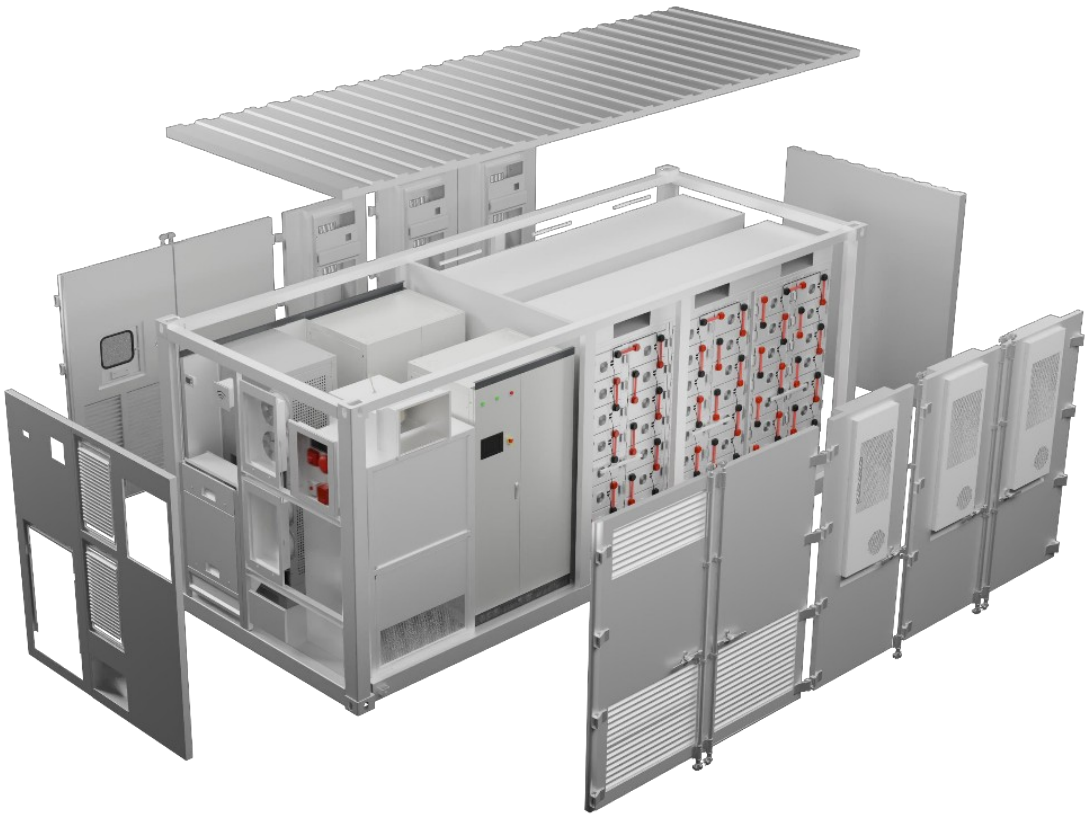
FEATURES

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-500-965
Electrical Parameters	
PCE Power	500 kVA: Continuous 550 kVA: 10 minutes 600 kVA: 1 minute 625 kVA: 10 seconds 750 kVA: 0.2 seconds
Continuous AC Current	722 A
Peak AC Current (0.2s)	1,083 A
AC Fault Current	1,600 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	965 kWh
Battery Type	Lithium-iron phosphate (LFP)
Nominal Voltage	768 V
Maximum Continuous Charge	0.5C @ 25℃
Maximum Continuous Discharge	0.5C @ 25℃
Working Temperature Range	Charge: 0°C ~ 50°C Discharge: -20°C ~ 50°C
System Parameters	
System Size (W x H x D)	6,058× 2,591 × 2,438 mm
Weight (max)	< 21,000 kg
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



Features
HMI observation glass window
Cooling air inlet
Sound and light alarm
Communication cable junction
External electrical main switch
Industrial power terminal block
Cooling air outlet
Transformer in separate enclosure
Air conditioning

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