

PHE SERIES



Hybrid Energy Storage



Power Range 63-500KW

Battery Capacity 80-576KWh



POWERink
Battery Systems

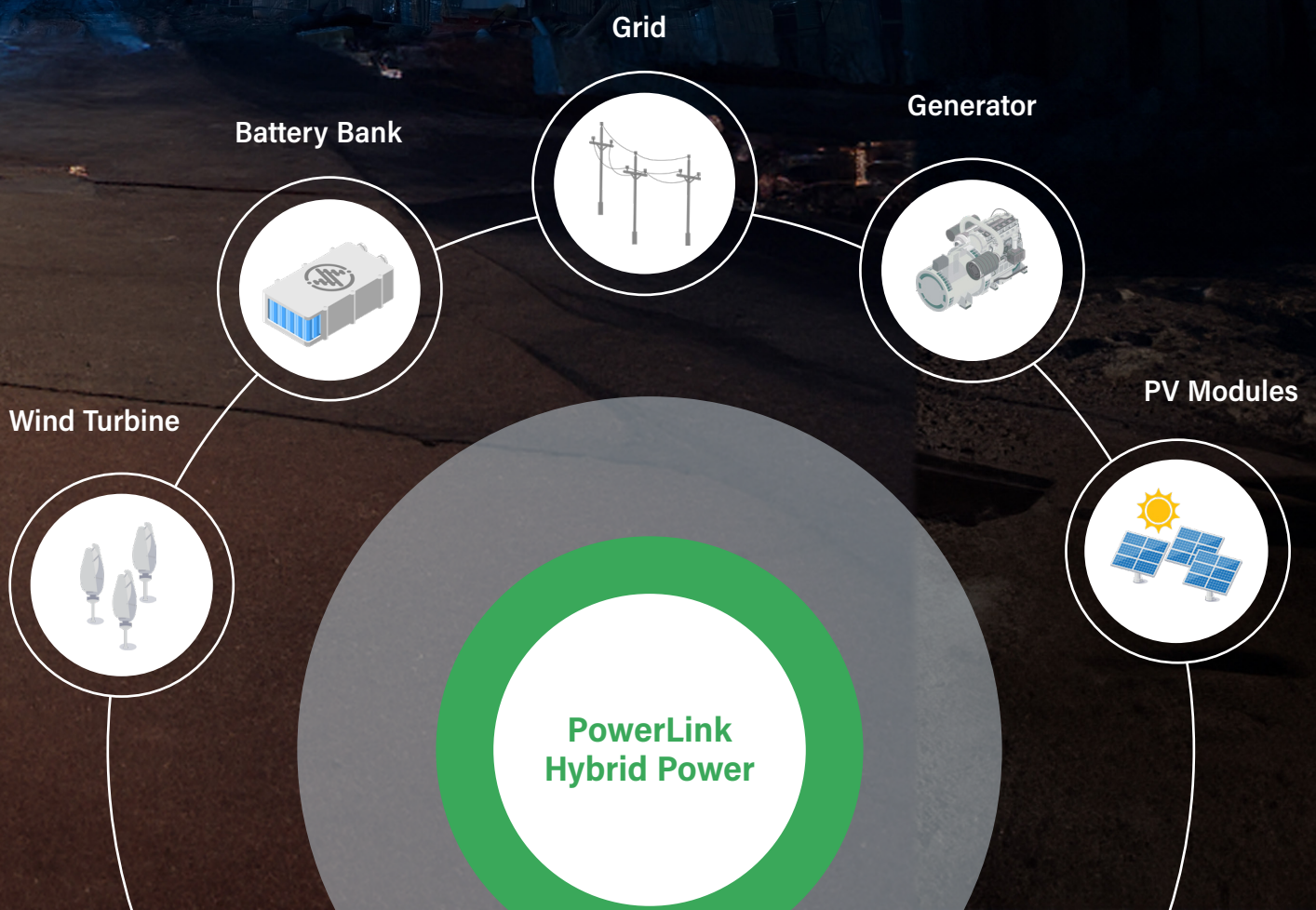
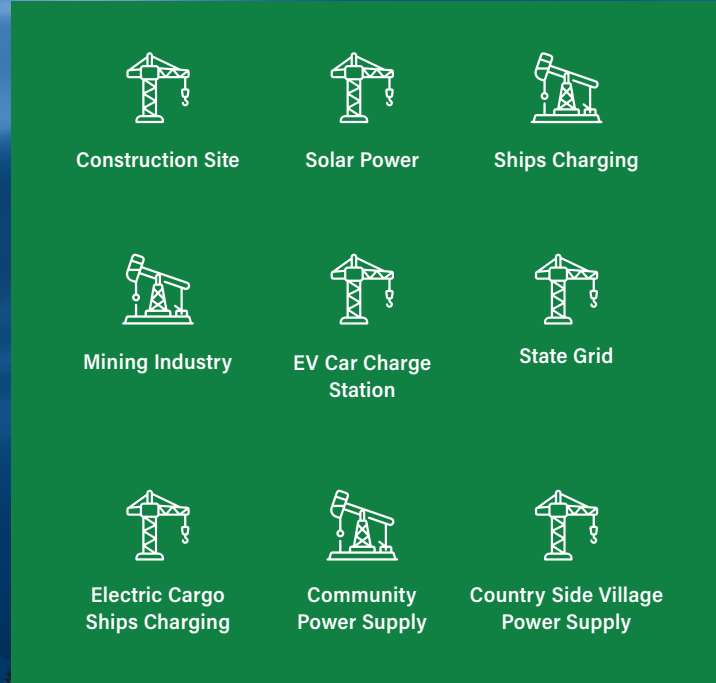


Professional Energy Storage System Manufacturer

PHE series is for portable hybrid energy system, which is mobile hybrid equipment, economical, energy-saving, highly reliable, low or zero emission, mainly composed of batteries, inverters, diesel generator sets, and photovoltaic charging systems, supporting parallel and off grid switching, with a power range of 63-500kW and a battery capacity of 80-689kWh.

Charging Applications Overview

Widely used in leasing, construction, mining, emergency, residential, commercial and other fields. Economically energy-saving, sturdy and durable, and able to move quickly, it is a sustainable, safe and reliable alternative to electricity supply.



Portable Hybrid Energy System

AVAILABLE MODELS

Series	PHE63	PHE100	PHE200	PHE300	PHE400	PHE500
Output Power (kVA/kW)	63/63	100/100	200/200	300/300	400/400	500/500
Voltage (AC V)	415	415	415	415	415	415
Current (A)	88	139	278	417	556	696
Battery Capacity (kWh)	80	115	230	345	460	576
Battery Voltage (DC V)	768	768	768	768	768	768
Photovoltaic Power (kWp)	30	30	50	50	50	50
Photovoltaic Voltage (DC V)	0-650	0-650	150-650	150-650	150-650	150-650
Diesel Unit Power (kW)	30	30	50	50	50	50
Maximum Charging Power (kW)	/	/	/	50	50	50
Dimensions (mm)	2300x1100x1600	2900x2290x2525	4340x2290x2525	5400x2290x2525	5400x2290x2525	5400x2290x2525
40 feet packing number	10	4	2	2	2	2



Battery + PV System + Diesel Generator

PRODUCT FEATURES

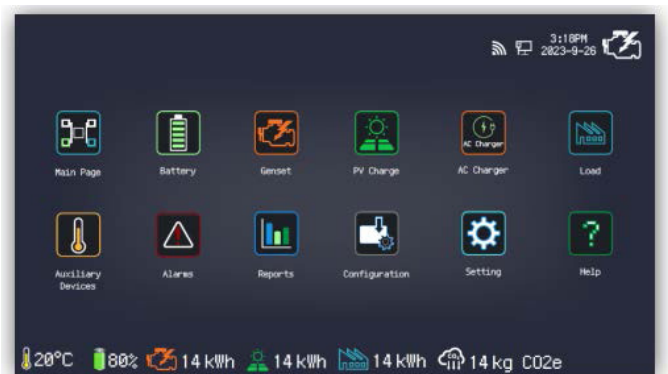
- ✓ Smart energy management system
- ✓ AC/DC power conversion system
- ✓ LiFePO4 Air-cooled battery pack
- ✓ RCD leakage protector
- ✓ Plug and play interface
- ✓ Super-silent structure
- ✓ Fire safety system

CERTIFICATION STANDARDS



- UN 38.3
- IEC 62619
- IEC 62477
- IEC 62933-2-1
- CE Declaration of Conformity
- VDE-AR-N 4110
- EN-50549-1
- UL 1973

INTELLIGENT ENERGY MANAGEMENT



PHE63



SPECIFICATION

PHE63 PORTABLE HYBRID ENERGY SYSTEM

Rated power (kVA/kW)	63/63		
Frequency (Hz)	50		
Phase(P)	3		
Power factor (PF)	1		
Noise level dBA@7m	58		
Voltage (AC V)	380	400	415
Current (A)	96	91	88

DIESEL GENERATOR SYSTEM

Rated power (kW)	30
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PV SYSTEM

Rated power (kWp)	30
Rated voltage (DC V)	0-650

BATTERY SYSTEM

Battery type	LiFePO4
Battery capacity (kWh)	80
Rated voltage (DC V)	768
Max charging rate	1C
Max discharging rate	1C
Recommended discharging rate	1C
Battery cycle life	>8000cycles (90%DOD, 1C)

LOGISTICS DATA

Protection class	IP54
Dimensions (mm)	2300x1100x1600
Dry weight (kg)	2560

PHE100



SPECIFICATION

PHE100 PORTABLE HYBRID ENERGY SYSTEM

Rated power (kVA/kW)	100/100		
Frequency (Hz)	50		
Phase(P)	3		
Power factor (PF)	1		
Noise level dBA@7m	58		
Voltage (AC V)	380	400	415
Current (A)	152	144	139

DIESEL GENERATOR SYSTEM

Rated power (kW)	30
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PV SYSTEM

Rated power (kWp)	30
Rated voltage (DC V)	0-650

BATTERY SYSTEM

Battery type	LiFePO4
Battery capacity (kWh)	123
Rated voltage (DC V)	800
Max charging rate	1C
Max discharging rate	1C
Recommended discharging rate	1C
Battery cycle life	>8000cycles (90%DOD, 1C)

LOGISTICS DATA

Protection class	IP54
Dimensions (mm)	2900x2290x2525
Dry weight (kg)	4900



PHE200

SPECIFICATION

PHE200 PORTABLE HYBRID ENERGY SYSTEM

Rated power (kVA/kW)	200/200		
Frequency (Hz)	50		
Phase(P)	3		
Power factor (PF)	1		
Noise level dBA@7m	58		
Voltage (AC V)	380	400	415
Current (A)	304	289	278

DIESEL GENERATOR SYSTEM

Rated power (kW)	50
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PV SYSTEM

Rated power (kWp)	50
Rated voltage (DC V)	150-650

BATTERY SYSTEM

Battery type	LiFePO4
Battery capacity (kWh)	230
Rated voltage (DC V)	800
Max charging rate	1C
Max discharging rate	1C
Recommended discharging rate	1C
Battery cycle life	>8000cycles (90%DOD, 1C)

STANDBY AC CHARGER

Max charging power (kW)	50
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LOGISTICS DATA

Protection class	IP54
Dimensions (mm)	4340×2290×2525
Dry weight (kg)	7000



PHE300

SPECIFICATION

PHE300 PORTABLE HYBRID ENERGY SYSTEM

Rated power (kVA/kW)	300/300		
Frequency (Hz)	50		
Phase(P)	3		
Power factor (PF)	1		
Noise level dBA@7m	58		
Voltage (AC V)	380	400	415
Current (A)	456	433	417

DIESEL GENERATOR SYSTEM

Rated power (kW)	50
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PV SYSTEM

Rated power (kWp)	50
Rated voltage (DC V)	150-650

BATTERY SYSTEM

Battery type	LiFePO4
Battery capacity (kWh)	345
Rated voltage (DC V)	768
Max charging rate	1C
Max discharging rate	1C
Recommended discharging rate	1C
Battery cycle life	>8000cycles (90%DOD, 1C)

STANDBY AC CHARGER

Max charging power (kW)	50
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LOGISTICS DATA

Protection class	IP54
Dimensions (mm)	5400×2290×2525
Dry weight (kg)	8500

PHE400



SPECIFICATION

PHE400 PORTABLE HYBRID ENERGY SYSTEM

Rated power (kVA/kW)	400/400		
Frequency (Hz)	50		
Phase(P)	3		
Power factor (PF)	1		
Noise level dBA@7m	58		
Voltage (AC V)	380	400	415
Current (A)	608	577	556

DIESEL GENERATOR SYSTEM

Rated power (kW)	50
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PV SYSTEM

Rated power (kWp)	50
Rated voltage (DC V)	150-650

BATTERY SYSTEM

Battery type	LiFePO4
Battery capacity (kWh)	460
Rated voltage (DC V)	768
Max charging rate	1C
Max discharging rate	1C
Recommended discharging rate	1C
Battery cycle life	>8000cycles (90%DOD, 1C)

STANDBY AC CHARGER

Max charging power (kW)	50
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LOGISTICS DATA

Protection class	IP54
Dimensions (mm)	5400×2290×2525
Dry weight (kg)	9700

PHE500



SPECIFICATION

PHE500 PORTABLE HYBRID ENERGY SYSTEM

Rated power (kVA/kW)	500/500		
Frequency (Hz)	50		
Phase(P)	3		
Power factor (PF)	1		
Noise level dBA@7m	58		
Voltage (AC V)	380	400	415
Current (A)	760	722	696

DIESEL GENERATOR SYSTEM

Rated power (kW)	50
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PV SYSTEM

Rated power (kWp)	50
Rated voltage (DC V)	150-650

BATTERY SYSTEM

Battery type	LiFePO4
Battery capacity (kWh)	576
Rated voltage (DC V)	768
Max charging rate	1C
Max discharging rate	1C
Recommended discharging rate	1C
Battery cycle life	>8000cycles (90%DOD, 1C)

STANDBY AC CHARGER

Max charging power (kW)	63
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LOGISTICS DATA

Protection class	50
Dimensions (mm)	5400×2290×2525
Dry weight (kg)	10900