

PowerLink Hybrid Energy Systems

For Mining, Rental, Construction, Events



POWERLINK
Power Systems
Power Link the World

BES System



	BES18S	BES30S3	BES45S3	BES80S3
Battery Output Power (kVA/kW)	20	34	45	80
Diesel Generator Rater Power (kVA/kW)	30	40	45	100
Solar Panel Capacity (Wp)	2.5 kWp	3.6 kWp	3.6 kWp	3.6 kWp
Voltage (V)	240	415	415	415
Current (A)	100	50	63	134
Phase	1	3	3	3
Power Factor	1	1	1	1
Dimmensions (mm)	2300x1400x2509	2300x1450x2570	2500x1450x25750	3000x1450x2570
Dry Weight (kg)	2700	3000	4500	7000
Frequency (Hz)	50	50	50	50
Battery Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Battery Capacity	30.7	30.7	68.2	94.8
Cooling System	Liquid-cooled	Liquid-cooled	Liquid-cooled	Liquid-cooled

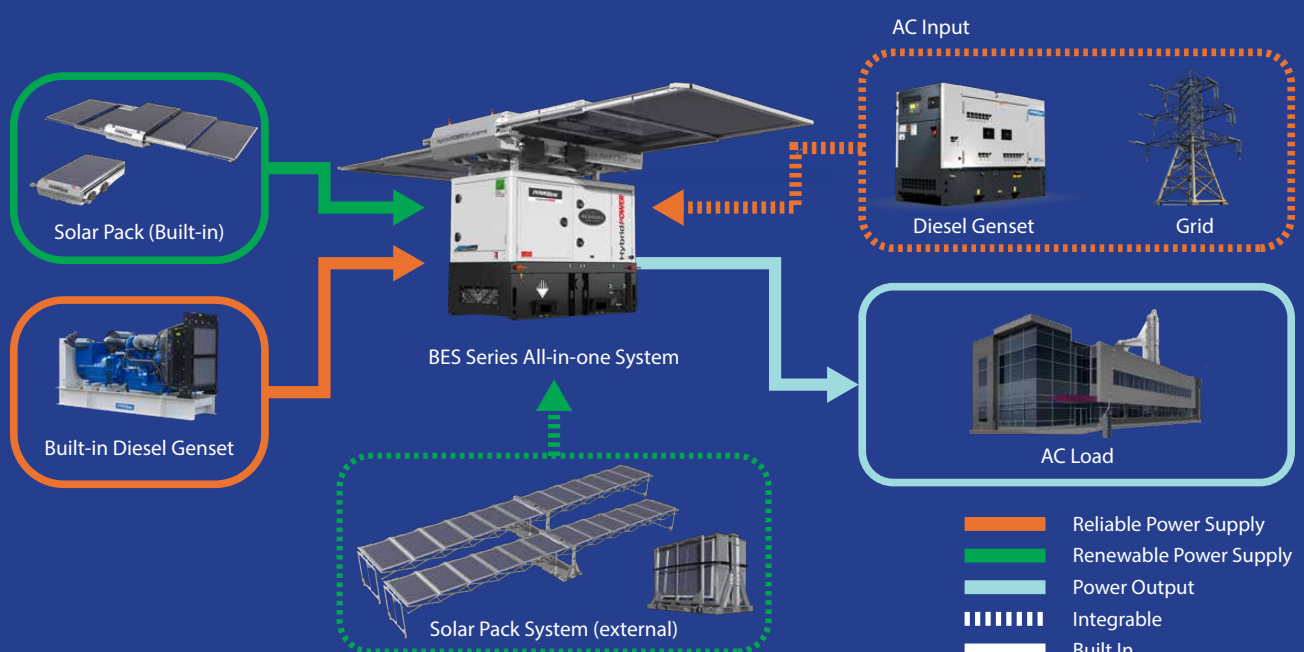
BES – HYBRID POWER

The BES is a true all-in-one hybrid power station, combining solar input, battery storage and an integrated diesel generator in a single compact unit. It is designed for off-grid and temporary power applications where fuel efficiency, low noise and reliability are critical. Solar and battery power handle the base load, while the generator only runs when required, massively reducing fuel consumption and engine hours compared to conventional gensets.

BENEFITS:

- Significantly lower fuel costs than traditional diesel generators
- Reduced servicing intervals due to fewer generator run hours
- Quiet operation for urban, night-time or noise-sensitive sites
- Simple plug-and-play deployment with no external equipment required
- Ideal for construction sites, telecoms, remote infrastructure and backup power

BES System



PES – ENERGY STORAGE

The PES is a high-performance 1C Battery Energy Storage System with a built-in inverter, designed for applications with variable or peaky loads such as tower cranes, hoists, events and temporary site power. The system can operate independently or alongside grid, generator or solar inputs, delivering instant power response while shaving peaks and reducing generator sizing requirements.

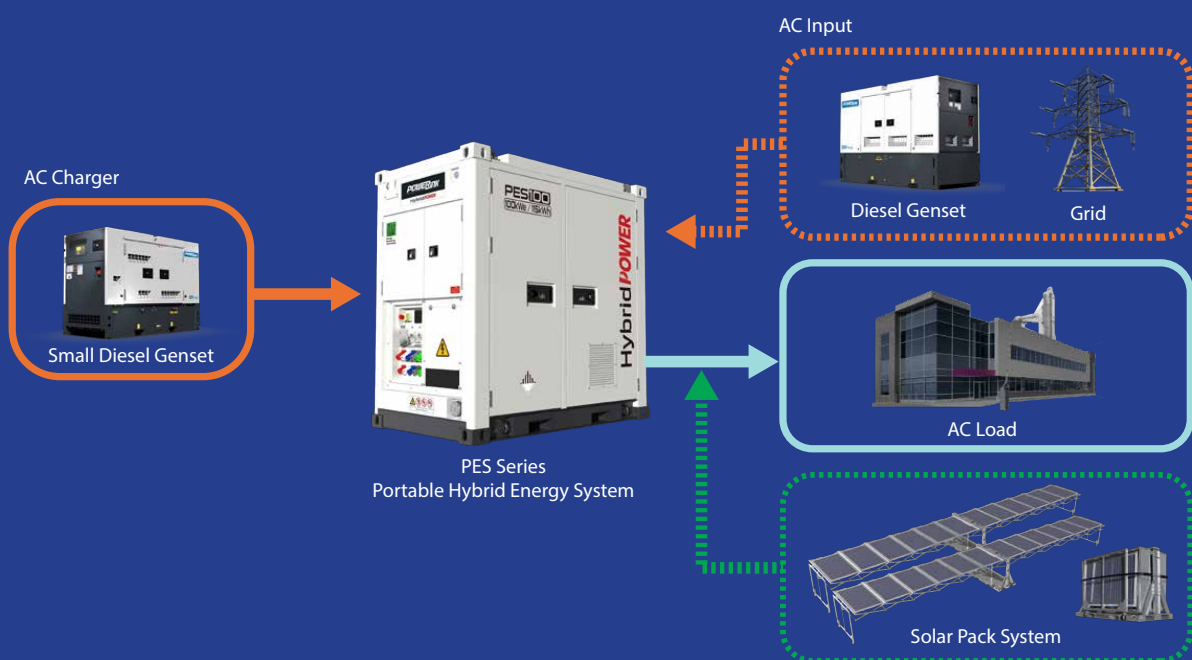
BENEFITS:

- Handles rapid load changes without oversizing generators
- Enables smaller gensets, reducing capital and fuel costs
- High utilisation across construction, events, ports and mining
- Fast deployment with minimal setup complexity
- Expands rental offering into battery-only and hybrid applications

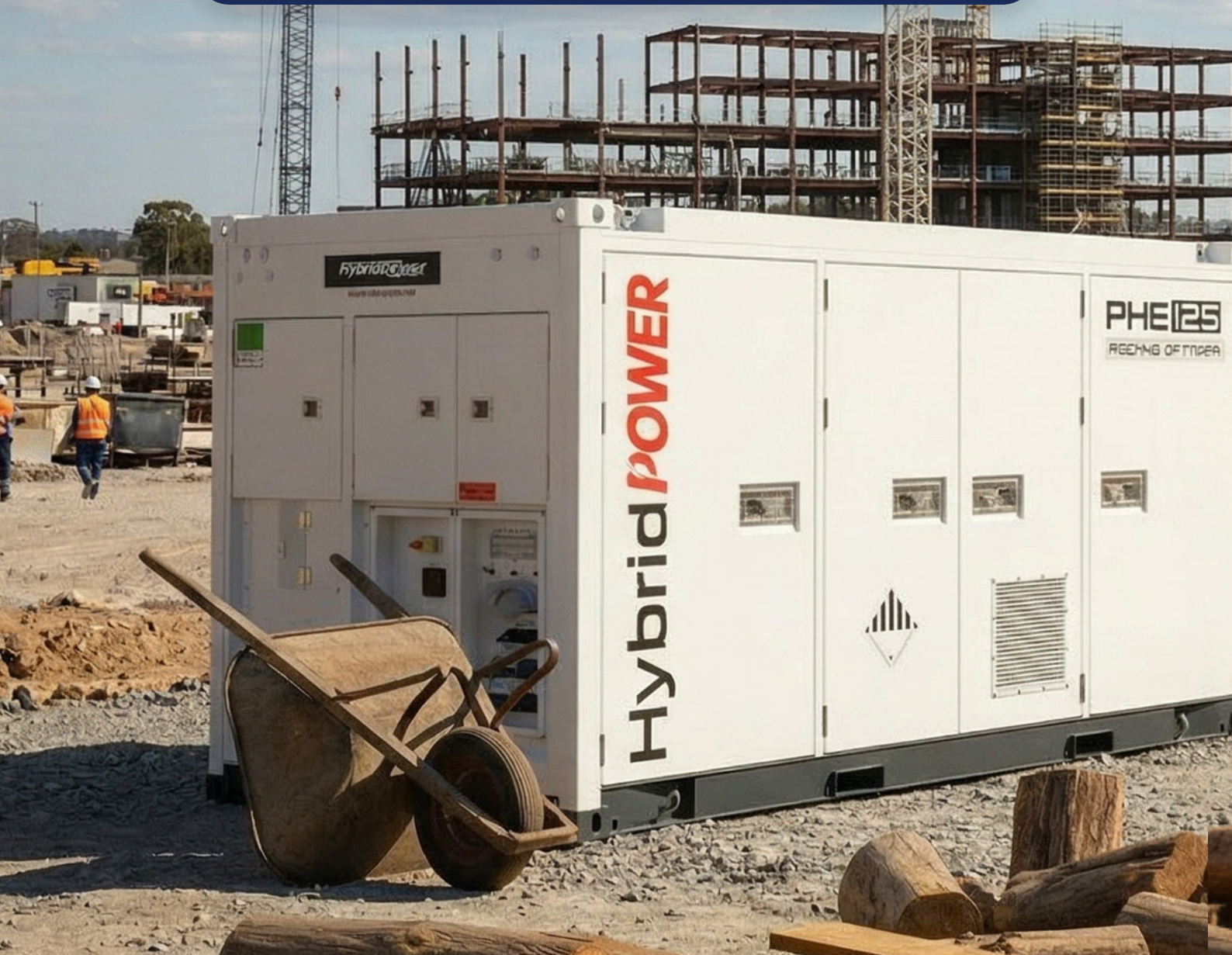
	PES100	PES200	PES300	PES400	PES500
Voltage (V)	415	415	415	415	415
Current (A)	139	278	417	556	696
Phase	3	3	3	3	3
Power Factor	1	1	1	1	1
Dimensions (mm)	2250x1350x2250	3840x2290x2500	4650x2300x2500	4650x2300x2500	4650x2300x2500
Dry Weight (kg)	3701	5200	9424	12000	14240
Frequency (Hz)	50/60	50/60	50/60	50/60	50/60
PV Rated Power (kWp)	30	50	50	50	50
Battery Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Battery Capacity	115.2	230	345.6	460.80	576
Cooling System	Air-cooling	Air-cooling	Air-cooling	Air-cooling	Air-cooling



PES System



PHE System



PHE375	
Battery Output Power (kVA/kW)	375
Diesel Generator Rater Power (kVA)	45
Voltage (V)	415
Current (A)	522
Phase	3
Power Factor	1
Dimensions (mm)	3950x2000x2250
Dry Weight (kg)	7500w
Frequency (Hz)	50
PV Rated Power (kWp)	100
Battery Type	LiFePO4
Battery Capacity	380
Cooling System	Air-cooled

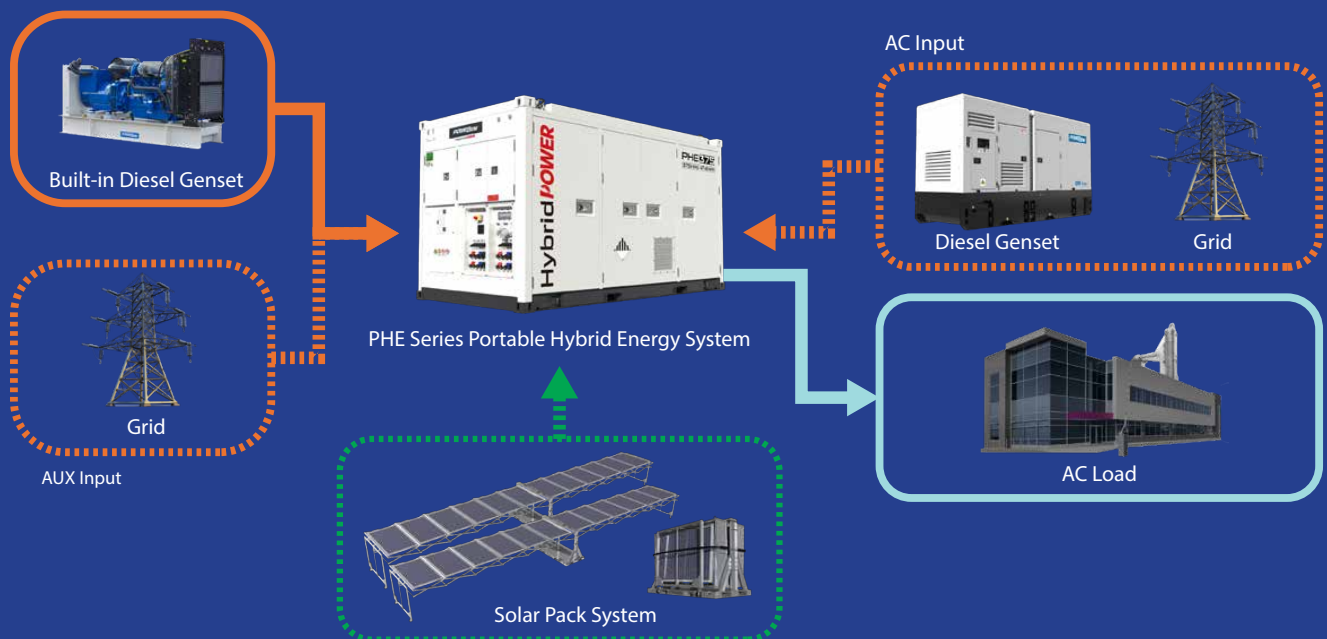
PHE – HYBRID

The PHE combines an integrated diesel generator with battery storage, creating a highly efficient hybrid power solution without solar. The battery supplies low and medium loads, while the generator only runs when higher power is required or when recharging the battery. This makes the PHE an ideal upgrade path for rental companies looking to move beyond traditional gensets while maintaining familiar generator-based operation.

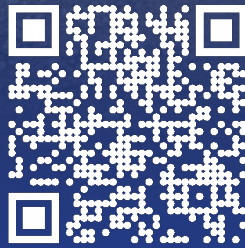
BENEFITS:

- Major reduction in fuel consumption versus standalone generators
- Longer generator lifespan due to reduced run hours
- Familiar generator operation with added battery efficiency
- Suitable for sites where solar is impractical or unavailable
- Drop-in replacement for conventional rental gensets

PHE System



Partner with Powerlink



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