

Microgrid Product Range

Saving Energy, Saving Costs, Saving Headaches



About Us



Why Powerlink?

With over 90,000 square metres of advanced manufacturing facilities across Australia, China, the UK, and other regions, PowerLink delivers high-quality, reliable energy systems to customers worldwide.

PowerLink Microgrid is a subdivision of the PowerLink Group, a global leader in energy solutions with over 25 years of expertise. As part of PowerLink, we build on decades of engineering excellence, innovative design and customer-focused service.

PowerLink Microgrid continues this legacy by delivering advanced microgrid and hybrid energy solutions tailored for small and medium-sized enterprises (SMEs). Our range of high-performance battery systems is designed to optimise energy consumption, reduce operational costs and support peak shaving. We empower businesses to achieve reliable, efficient and sustainable power while seamlessly integrating renewable energy into their Solar operations.



RHE
Residential Hybrid Energy System



CHE
Commercial Hybrid Energy System



IHE
Industrial Hybrid Energy System



Smart Solar

RHE Residential Hybrid System

Smart residential battery storage for cleaner energy, lower bills, and uninterrupted power across Australian homes.

IHE Industrial Hybrid System

IHE battery solution is engineered to meet the rigorous demands of heavy industrial operations.

CHE Commercial Hybrid System

Powerlink Microgrids deliver the best commercial battery solutions in Australia, with the CHE series designed for efficient, reliable and durable battery storage for businesses.

Smart Solar Smart Solar Power Systems

Smart solar power systems delivering clean, reliable energy for homes and businesses across Australia. Harness the sun with Powerlink

RHE System



Why the Residential Hybrid Energy system?

Powerlink's RHE system is a fully integrated hybrid battery solution built to help small scale projects get more from their solar. Providing lower electricity costs and greater reliability. The RHE combines a lithium battery pack, intelligent energy management system (EMS), battery management system (BMS), power conversion system (PCS) and MPPT solar charge controllers into one compact unit.

The RHE system is most effective for smaller applications such as residential or small agricultural projects. Any small scale project with the mission of increasing self-sufficiency and reducing reliance on the grid should choose RHE! Providing dependable backup power during outages, helping protect against rising electricity prices through peak shaving and time-of-use optimisation, ensuring stored energy is used when it makes the most financial sense.

	RHE12S3	RHE24S	RHE24S3	RHE 125
Rated Power (kVA/kW)	12	24	24	12
Voltage (V)	380 400 415	220 230 240	220 230 240	220 230 240
Current (A)	18 17 16	127 122 117	127 122 117	64 61 68
Phase	3	1	1	1
Power	1	1	1	1
Dimensions (mm)	1400x800x1200	1400x800x1200	1400x800x1200	1400x900x1200
Dry Weight (kg)	950	1135	1135	950
Noise Level (dBA@7m)	50	50	50	50
PV Rated Power (kWp)	21	36	36	18
Battery Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Battery Capacity (kWh)	30.7	40.96	40.96	30.7
Cooling System	Air-cooled	Air-cooled	Air-cooled	Air-cooled

	RHE30S3	RHE60S3	RHE100S3
Rated Power (kVA/kW)	30	60	100
Voltage (V)	380 400 415	380 400 415	380 400 415
Current (A)	46 43 42	91 87 83	152 144 139
Phase	3	3	3
Power	1	1	1
Dimensions (mm)	1500x1000x1400	1600x1100x1600	1600x1100x1600
Dry Weight (kg)	1662	3000	4000
Noise Level (dBA@7m)	50	50	50
PV Rated Power (kWp)	38.4	76.8	153.6
Battery Type	LiFePO4	LiFePO4	LiFePO4
Battery Capacity (kWh)	62	92	115
Cooling System	Air-cooled	Air-cooled	Air-cooled



Revolutionary Energy Solution:

Our RHE Series offers residential customers, as well as small and medium-sized enterprises, a clean, quiet, and cost effective power solution up to 100 kW that addresses rising energy costs via easy energy trading.



Smart & Flexible Integration:

With optimised energy use, seamless integration with multiple energy sources, and easy plug-and-play installation, our RHE battery system ensures uninterrupted electricity supply while promoting sustainability.

CHE System



Why the Commercial Hybrid Energy System?

The CHE Series is engineered for demanding commercial environments where reliability and scale are critical. Designed for larger applications, it delivers robust and efficient power of up to 1000 kW, supporting high-capacity operations without compromise. Whether operating alongside the grid, generators or renewable energy sources, CHE provides stable, dependable power for businesses and projects that cannot afford downtime.

With an advanced Energy Management System at its core, the CHE Series intelligently controls energy flow, balances loads and optimises generation and storage in real time. It integrates seamlessly with solar and other renewables to enable peak shaving, demand management and reduced fuel consumption. The result is lower operating costs, reduced emissions and simplified energy control for commercial operations seeking performance and long-term savings.

	CHE125	CHE250	CHE500
Rated Power (kVA/kW)	125	250	500
Voltage (V)	380 400 415	380 400 415	380 400 415
Current (A)	190 180 174	380 361 348	760 722 696
Phase	3	3	3
Power	1	1	1
Dimensions (mm)	2350x1100x1750	3800x1800x1850	4030x2130x2427
Dry Weight (kg)	3700	7000	13173
Noise Level (dBA@7m)	58	58	58
PV Rated Power (kWp)	100	200	200
Battery Type	LiFePO4	LiFePO4	LoFePO4
Battery Capacity (kWh)	237	520	1040
Cooling System	Liquid-cooled	Liquid-cooled	Liquid-cooled

	CHE750	CHE1000
Rated Power (kVA/kW)	750	1000
Voltage (V)	380 400 415	380 400 415
Current (A)	1140 1083 1043	1519 1443 1391
Phase	3	3
Power	1	1
Dimensions (mm)	6058x2438x2591	6058x2438x2592
Dry Weight (kg)	15500	18000
Noise Level (dBA@7m)	58	58
PV Rated Power (kWp)	200	200
Battery Type	LiFePO4	LiFePO4
Battery Capacity (kWh)	1560	2080
Cooling System	Liquid-cooled	Liquid-cooled



Scalable Commercial Power:

The CHE Series delivers reliable, high-capacity energy for commercial operations up to 1000 kW. It combines advanced energy management with seamless integration of renewables to lower operational costs and ensure uninterrupted power for businesses with demanding energy needs.



Optimised Efficiency and Flexibility:

With peak shaving, load balancing, and modular deployment, the CHE Series allows businesses to use energy smarter, reduce fuel consumption and emissions, and maintain full control over their power management.

IHE System



Why the Industrial Hybrid Energy System?

The IHE Series is designed for heavy duty industrial sites where reliability and efficiency are critical. Its modular architecture allows each unit to be deployed independently or combined to meet the specific power needs of different on site projects. Whether supporting high load machinery, temporary site power or critical infrastructure, the IHE delivers scalable robust energy that integrates seamlessly with existing generators, grid connections and renewable sources while keeping operations running smoothly and reducing downtime and risk.

Each module features an intelligent Energy Management System that optimises energy flow, coordinates storage and generation and balances loads across multiple applications. By splitting modules across projects, industrial operators can target energy where it is needed most, enable peak shaving, reduce fuel and maintenance costs and lower emissions while maintaining full control and flexibility over site energy management.

IHE1250

Rated Power (kVA/kW)	1250
Voltage (V)	690
Current (A)	1150
Phase	3
Power	1
Dimensions (mm)	6058x2438x2896
Dry Weight (kg)	39500
Battery Type	LiFePO4
Battery Capacity (kWh)	5016
Cooling System	Liquid-cooled

IHE2500

Rated Power (kVA/kW)	2500
Voltage (V)	690
Current (A)	2375
Phase	3
Power	1
Dimensions (mm)	6058x2438x2896
Dry Weight (kg)	39500
Battery Type	LiFePO4
Battery Capacity (kWh)	5016
Cooling System	Liquid-cooled



Heavy-Duty Industrial Power:

The IHE Series is designed for industrial sites requiring robust, scalable energy solutions. It delivers high-load capacity, keeps critical processes running smoothly, and supports modular deployment across multiple on-site projects.



Intelligent Energy Control

Each module integrates an advanced energy management system that optimises storage, coordinates generation, and balances loads, reducing downtime, cutting costs, and giving operators full control over industrial energy use.

Solar Power Systems



CRSP7000

PSP6000

STS6000

Why Industrial Hybrid Energy?

Powerlink's Solar Power Systems deliver reliable, efficient and flexible solar generation for residential, commercial and industrial applications. Our three system options — CRSP7000, PSP6000 and STS6000 — are designed to meet different energy needs and pair seamlessly with the right battery solution. The CRSP7000 is perfect for homes and small commercial sites and works best with the RHS Series battery, maximising self-consumption, storing excess solar and providing backup power. The PSP6000 suits larger commercial or mixed-use facilities and pairs with the CHS Series battery for peak shaving, load management and cost savings. For industrial sites or high-demand projects, the STS6000 combined with IHS Series batteries offers modular deployment across multiple processes while reducing fuel use and emissions.

Together, these solar systems and battery pairings create a complete renewable energy package with generation, storage and intelligent control. They help homes, businesses and industrial sites reduce grid dependence, cut energy costs and increase resilience. With scalable configurations tailored to specific load profiles and future expansion, Powerlink Solar Power Systems make clean energy practical, efficient and cost-effective for any project.



Our Microgrid systems combine advanced battery technology, intelligent controls, and seamless integration to deliver reliable and efficient energy solutions. Key features include:

	CRSP7000	PSP6000	STS6000
Power Output	7 kWp	6 kWp	6 kWp
Best For	Temporary housing, construction camps	Mobile energy stations, industrial support	Agriculture, mining, remote areas
Key Features	Bifacial panels with integrated shelter; Remote-controlled folding array; Plug-and-Play installation on 20 ft base	Flat, foldable layout for easy transport; Full setup kit included; Compatible with diesel, grid, and hybrid systems	Dual-axis tracking with GPS calibration; Up to 30% higher yield vs fixed arrays; Remote EMS monitoring
Daily Generation	Up to 42kWh	Up to 36 kWh	Site dependent

Connect with Powerlink



www.powerlinkenergy.com.au



info@powerlinkenergy.com.au



02 8858 9688

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