



# Valen Community Batteries

87.5kWh / 60kW  
262kWh / 120kW  
524kWh / 210kW



AUSTRALIA  
1300 734 253

[sales@valen.com.au](mailto:sales@valen.com.au)  
[www.valen.com.au](http://www.valen.com.au)

NEW ZEALAND  
0800 734 253

[sales@valen.co.nz](mailto:sales@valen.co.nz)  
[www.valen.co.nz](http://www.valen.co.nz)



Wow Customers through Service

Move Fast & Remain Focused to Get Results

Upebeat Positive Attitude

Challenge the Status Quo

# Introducing Valen

Your trusted partner for a comprehensive turnkey solution in the supply and installation of community batteries, meticulously tailored to meet Australian standards at their zenith. With a relentless commitment to excellence and sustainability, Valen stands at the forefront of innovation in the renewable energy sector, revolutionizing the way communities harness and store power. Innovative technology to support a growing network.



Our mission is to empower Australian communities with a reliable and environmentally conscious energy solution, setting new benchmarks for quality, efficiency, and reliability. Welcome to a future where community power is not just a dream but a reality, expertly crafted by Valen, the pinnacle of Australian energy integration.

## Advantages of Valens Community Battery

- Lithium Battery Technology
- System Integrated in Australia
- Built in Fire suppression System
- Advanced monitoring platform and controls
- Built to withstand harsh Australasian Environments
- Full Turnkey Solution
- Operating Teperature range -20° +60°
- Valen's Remote monitoring System
- Designed to support FCAS Applications
- Grid Islanding compatible

## Optional Upgrades

- Scalable Battery and Inverter
- Coastal/ Corrosive Environment Upgrade
- Supercapacitor Upgrade for more efficient EV Charging and FCAS



INTELLIGENT LITHIUM STORAGE SOLUTION

**87.5kWh  
/ 60kW**



**Features**

- Intelligent energy management strategy, supporting multi-mode operation.
- Modular integrated design, flexible matching of different scenarios.
- Support multiple sets of parallel connection, covering a wider power range.
- Integrated design of optional photovoltaic access and photovoltaic energy storage and charging.

**Specifications**

	Item	VES-60KW/87.5KWH
<b>Battery Data</b>	Cell spec	LFP 3.2V/ 240Ah
	String configuration	1P 6S
	Number of strings	6
	DC rated energy	92.16kWh
	DC Usable Energy	87.55kWh
	Rated voltage	384V
<b>AC Data</b>	Voltage range	323.1-426V
	Rated grid voltage	400Vac, 3P+PE
	Max Apparent Power	66kVA
	Grid voltage range	312-459Vac
	Rated Output Power	60kW
	Power Factor	0.1 to 1 leading or lagging (Controllable)
<b>General Data</b>	Dimension (L*W*H)	1100x1100x2250mm
	Total Weight	1254kg
	Enclosure Rating	IP55
	Operating Temperature Range	-30 to +60 Celsius (derating of Inverter at 45 degrees)
	Relative humidity	0-95% (non-condensing)
	Max working altitude	3,000m
	Cooling	DC HVAC
	Fire protection	Aerosol

INTELLIGENT LITHIUM STORAGE SOLUTION

**262kWh  
/ 120kW**



**Features**

- Intelligent energy management strategy, supporting multi-mode operation.
- Modular integrated design, flexible matching of different scenarios.
- Support multiple sets of parallel connection, covering a wider power range.
- Integrated design of optional photovoltaic access and photovoltaic energy storage and charging.

**Specifications**

	Item	VES-120KW/262KWH
<b>Battery Data</b>	Cell spec	LFP 3.2V/ 240Ah
	String configuration	2P 9S
	Number of strings	9
	DC rated energy	276.48kWh
	DC Usable Energy	262.2kWh
	Rated voltage	576V
	Voltage range	484.65-639V
<b>AC Data</b>	Rated grid voltage	400Vac, 3P+PE
	Max Apparent Power	132kVA
	Grid voltage range	312-459Vac
	Rated Output Power	120kW
	Power Factor	0.1 to 1 leading or lagging (Controllable)
<b>General Data</b>	Dimension (L*W*H)	2450x1100x2250mm
	Total Weight	3768kg
	Enclosure Rating	IP55
	Operating Temperature Range	-30 to +60 Celsius (derating of Inverter at 45 degrees)
	Relative humidity	0-95% (non-condensing)
	Max working altitude	3,000m
	Cooling	DC HVAC
	Fire protection	Aerosol

INTELLIGENT LITHIUM STORAGE SOLUTION

**524kWh  
/ 210kW**



**Features**

- Intelligent energy management strategy, supporting multi-mode operation.
- Modular integrated design, flexible matching of different scenarios.
- Support multiple sets of parallel connection, covering a wider power range.
- Integrated design of optional photovoltaic access and photovoltaic energy storage and charging.

**Specifications**

	Item	VES-210KW/524KWH
<b>Battery Data</b>	Cell spec	LFP 3.2V/ 240Ah
	String configuration	4P 9S
	Number of strings	4
	DC rated energy	552.96kWh
	DC Usable Energy	524.4kWh
	Rated voltage	576V
	Voltage range	484.65-639V
<b>AC Data</b>	Rated grid voltage	400Vac, 3P+PE
	Max Apparent Power	231kVA
	Grid voltage range	312-459Vac
	Rated Output Power	210kW
	Power Factor	0.1 to 1 leading or lagging (Controllable)
<b>General Data</b>	Dimension (L*W*H)	3450x1100x2250mm
	Total Weight	5892kg
	Enclosure Rating	IP55
	Operating Temperature Range	-30 to +60 Celsius (derating of Inverter at 45 degrees)
	Relative humidity	0-95% (non-condensing)
	Max working altitude	3,000m
	Cooling	DC HVAC
Fire protection	Aerosol	



# Monitoring + Control

Valen provides an agnostic, all-encompassing remote monitoring and management platform to track, analyse and optimise your telecommunications sites' performance. We offer an array of tools to help maximise the efficiency of your sites' power supplies and ensure that they run efficiently and uninterrupted, resulting in cost savings and a reduced carbon footprint.



## PRIMARY BENEFITS

**Energy utilization:** Remote scheduling management, and monitoring of passive equipment, such as batteries, generators and solar panels using insight based analytics.

**Site uptime:** Productivity maximisation that results in minimal energy loss, power drops, technical malfunctions, service disruptions, and regulatory fines.

**Sustainability:** Improving renewable energy utilisation, preventing unnecessary consumption of fossil fuels, and reducing carbon footprint and environmental impact.

**Cost Saving:** Save costs and reduce service roll-outs. Make informed decisions to manage efficiently

## VALEN'S SOLUTIONS

**Smart Battery (BMS):** Our two-pronged monitoring and management solution includes both battery tracking technology to mitigate theft and monitoring technology to track battery health while improving longevity and overall efficiency.

**Network Operations Center (NOC):** A solution that offers enhanced network visibility across an organisation's site parameters, allowing event management and remote site control.

**Security Enforcement:** A multi-level security system armed with real-time alerts and CCTV cameras, reducing breach and theft risk to near zero.

**Colocation Management:** An integrated platform that aggregates energy consumption information for multiple tenants and offers efficient management and smart billing capabilities.

# National Coverage

With warehouses located strategically, Valen offers fast and efficient delivery as well as superior service our clients have come to know and depend on.

