



Valen Stand Alone Power Systems



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Valen SAPS

Valen's robust standalone power systems, designed for Australia's challenging landscapes, ensure uninterrupted power in remote environments. Engineered with resilience in mind, our solutions deploy cutting-edge technology and premium components, including solar panels, batteries, inverters, and generators. Easy to install and rapidly deployable, our secure platform offers scalable and cost-effective monitoring and control, supporting residential, commercial, and industrial operations in Australasia.



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 SAPS

- Australian made and engineered means product support and spares are readily available
- Designed so both the power hub and the PV can be rapidly deployed
- Pest & Insect Proof
- Portable system structure available as an option for sites with changing requirements
- Modular systems which means they that they have the ability to be scaled up if the load profiles increases
- Remote monitoring for easy tracking of multiple remote sites
- Ability to intergrate into NOC's providing secure monitoring and control

Optional Upgrades

Customise your system to your site. Valen ModX optional extras allow you to ensure your system is ready to go for challenging site locations.

- AC and DC Diesel Generator with Bunded fuel tank (Remote/AutoStart, Tank Levels & Temperature Sensors)
- 48V Wind Turbine - 220W>
- Upgrade to Cyclonic Wind Rating
- Precast Concrete Pads
- Coastal/ Corrosive Environment upgrade
- Can be AC/DC coupled, single, split or three phase
- Visual Designs
- Maintenance Plan

SAPS

Energy Storage System



Specifications



	SAPS 1	SAPS 2
SPECIFICATIONS		
Key Features	Modular Pre Engineered	Modular Pre Engineered
PV Size (kWp)	4.1	7.38
PV (kW)	3.45	6.9
Inverter (kW)	7.2	14.4
ESS (kWh)	14.4	24
Size	1810 x 740 x 1750	1810 x 740 x 1750
Monitoring Options	Canbus, Modbus, SNMP, DNP3, Cloud, Local, 4G, Satellite	Canbus, Modbus, SNMP, DNP3, Cloud, Local, 4G, Satellite
Options	DC & AC Diesel Generators	DC & AC Diesel Generators
	Digital Inputs Tank Levels Temperature Sensors Smoke and door alarms	Digital Inputs Tank Levels Temperature Sensors Smoke and door alarms

SAPS

Energy Storage System



	SAPS 3	SAPS 4
SPECIFICATIONS		
Key Features	Modular Pre Engineered	Modular Pre Engineered
PV Size (kWp)	14.76	29.52
PV (kW)	13.82	27.6
Inverter (kW)	21.6	28.8
ESS (kWh)	43.2	86.4
Size	1810 x 740 x 1750	1810 x 740 x 1750
Monitoring Options	Canbus, Modbus, SNMP, DNP3, Cloud, Local, 4G, Satellite	Canbus, Modbus, SNMP, DNP3, Cloud, Local, 4G, Satellite
Options	DC & AC Diesel Generators	DC & AC Diesel Generators
	Digital Inputs Tank Levels Temperature Sensors Smoke and door alarms	Digital Inputs Tank Levels Temperature Sensors Smoke and door alarms



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.



RAIL

Railway Power Solutions to Keep You on Track

TELECOMMUNICATIONS

Telecommunications Power Solutions

ELECTRICITY NETWORKS

Community Batteries & Pole Mounted Batteries

MINING

Mining Power Solutions

INDUSTRIES WE POWER

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.

