



Valen's Hybrid Supercapacitors

Valen is redefining storage technology with its hybrid supercapacitor energy storage systems



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The Valen Summit Series utilises our advanced Hybrid Supercapacitor storage technology.

Benefits include negligible degradation over lifetime, ultra fast charge and discharge, no thermal runaway hazard, simple operation, practically unlimited cycles, -40 °C to + 60 °C operating temperature and 99% round trip efficiency.

The Summit Series is specifically designed to be used in a wide range of inverter or DC-based applications, including solar, backup, mobility, grid-storage, recreational and much more.

Energy can be safely used with our EZ-Power technology. The EZ-Power features include short circuit detection, multiple unit imbalance control and controlled load charge-up.

Utilize our remote monitoring for Android and /OS through Wi-Fi and setup with our user-friendly Bluetooth App for mobile devices. Units are completely modular with unlimited parallel compatibility. Designed for extremely long life (up to 45 years).

Valen's Summit series is the ultimate choice in contemporary storage technologies.








Rear Terminals and Circuit Breaker



**Power on electronic control
Enable SSR when safe to engage terminals**

Hybrid Supercapacitor Energy Storage

-  Ultra long cycle and operational life (45 years design life)
-  Fast charge and discharge
-  Temperature stability - no thermal runaway
-  Wider operating temperature range compared to other storage technologies
- 99.1% capacitor RTE, >97% module RTE
-  Safer energy storage

Valen ez-power technology

- Dual current management for added safety
- Patent pending CLC for controlled power release and safety checks

IOT Monitoring

- Wi-Fi monitoring via user-friendly app
- Bluetooth enabled communication for easy setup

General

Storage Type	Hybrid Supercapacitor
Monitoring	Wi-Fi, Android, /OS
Communication	Wi-Fi, Bluetooth, LED Status
Operating Temperature	-40°C to + 60°C
Cycle Life	>100 000 cycles
Warranty	10 years
Design Life	45 Years
Terminal Connections	M8
Round Trip Efficiency	>97%



Specifications

	DOUBLE 3.3	TRIPLE 5.0	QUAD 6.5
SPECIFICATIONS			
Capacity	3.3kWh	5.0kWh	6.5kWh
Weight	70.9kg	99.6kg	128.3kg
Dimensions (mm)	580x628x165	580x628x248	580x628x315
Stackable	6 Units	5 Units	3 Units
CHARGE / DISCHARGE			
Rated charge voltage	53.6V	53.6V	53.6V
Maximum surge voltage	54.0V	54.0V	54.0V
Recommended discharge voltage	46.0V	46.0V	46.0V
Rated discharge voltage	45.5V	45.5V	45.5V
Maximum Continuous current	100A	150A	200A
Maximum Peak Current	125A	185A	250A
SAFETY			
Current Safety	Electronic SSR and Thermal DC Breaker (Dual Protection)		
Maximum Cap Voltage	Electronic		
Loose Connection Monitoring	Electronic		
SSR Temperature Monitoring	Electronic		
Cell Temperature Monitoring	Electronic		
Safe Activation Parameters	Valen EZ-Power limited energy release		



A family
owned
Australian
business



Legal Entity Valen Power Pty Ltd
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