



CGS Stackable Battery Brochure

Power Your Home with The Next Kilowatt



Originated in Australia Designed for Australia



Founded in 2007 with deep Australian roots, Clenergy has grown to become the No. 1 rooftop PV mounting brand in Australia for 15 consecutive years – and counting.

11GW

of solar mounting framing in the Australian market

50%

Aussie Solar Homes are Counting on Clenergy PV-ezRack Solar Mounting Systems

70%

of Airports in Australia have used Clenergy as their preferred supplier



Parliament House rooftop



Barangaroo Sydney



Melbourne Connect



Brisbane Airport



Adelaide Airport



Melbourne Airport

Designed, Tested and Supported by Real People in Melbourne



01

Built-In Safety You Can Trust

Smart Temperature Monitoring

DC cable sensors, All-round battery cells temperature sensors

Automotive-Grade Cells

Cells for maximum performance and peace of mind

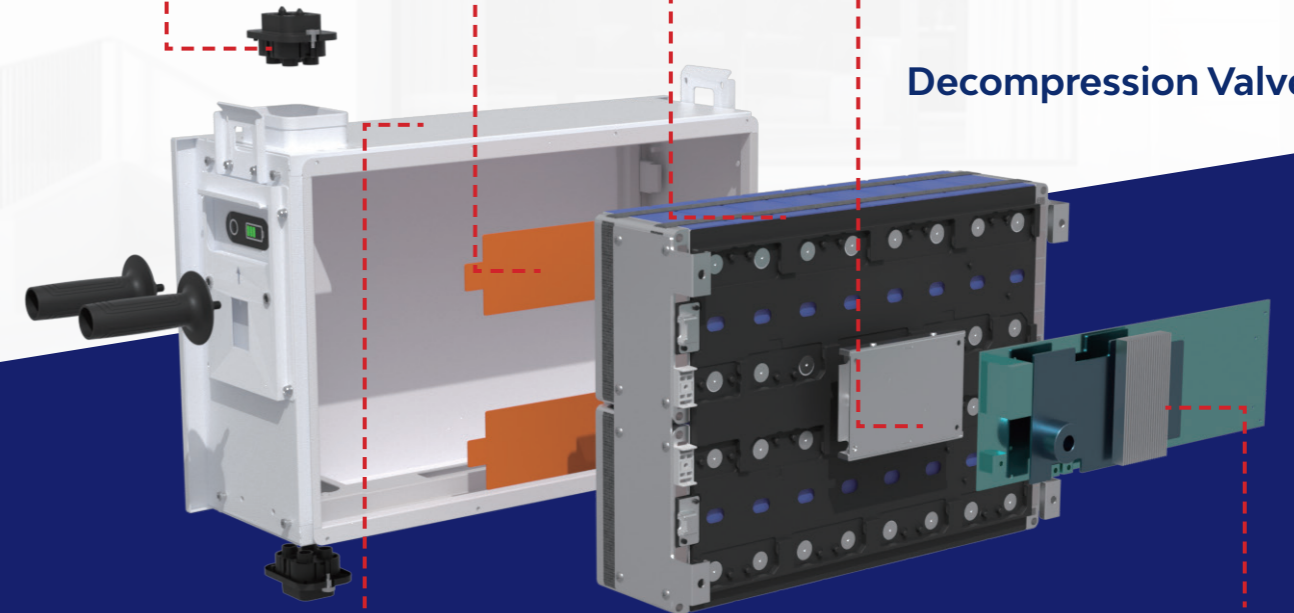
Heat Pads

Charging even below 0°C

24/7 Intelligent Fire Prevention

Offer extra level of protection and peace of mind

Decompression Valve



Electrophoretic Finish

Rust-resistant and corrosion-resistant

Advanced Current Limiter

To keep your system safe in every scenario

02

Effortless and Flexible Installation



Slim, light, Compact & Modular Design

Built to fit seamlessly into any space



Up to 20kWh in a Single Stack

Scalable storage that grows with your needs



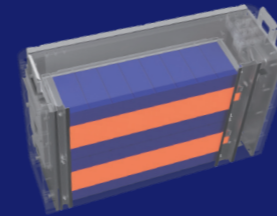
Space-Saving 1.71m Height

Big capacity in a sleek, compact form



03

Unmatched Reliability



Auto Heating in Cold Environments

Reliable performance, no matter the weather



Independent Module Operation

Keep running, even if one module goes offline



IP66-rated Protection

- The unlimited installation for indoor & outdoor.
- Weather-Proof performance, Peace of Mind.



04

Smarter, Connected Software



Remote Upgrades & Control via Hybrid Inverter

Manage your system anytime, anywhere



Auto-Addressing Modules

Plug in, power up, and let the system do the rest



Specifications

Datasheet	CGS E5.1L	CGS E10.2L	CGS E15.3L	CGS E20.4L
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Basic Parameters				
Battery Module	CGB E5.1L			
Qty. of Battery Module	1	2	3	4
Battery Distribution Unit	CGD C100L			
Qty. of Battery Distribution Unit	1			
Battery Type	LFP			
Rated Energy ¹	5.12kWh	10.24kWh	15.36kWh	20.48kWh
Usable Energy ¹	5.12kWh	10.24kWh	15.36kWh	20.48kWh
Rated Voltage	51.2V			
Voltage Range	44.8-57.6V			
Rated DC Power	2.56kW	5.12kW	5.12kW	5.12kW
Rated Charge / Discharge Current	50A	100A	100A	100A
Max. Charge / Discharge Current	50A	100A	100A	100A
DOD (Depth of Discharge)	100%	100%	100%	100%
General Data				
Operating Temperature ²	Charge: 0°C - +55°C, Discharge: -20°C - +55°C			
IP Rating	IP66			
Relative Humidity	5% - 95% (non-condensing)			
Communication	CAN / RS485			
Max. Operation Altitude	3000m			
Cooling Method	Natural Convection			
Weight	60kg	110kg	160kg	210kg
Dimension (H*W*D) mm	600*600*200	970*600*200	1340*600*200	1710*600*200
Mounting Method	Floor mounted, Wall mounted (optional)			
Display	LED Indicators			
Country of Manufacture	China			
Standards and Certifications	IEC 62040-1, EN IEC 62040-1, IEC 62619, EN IEC 61000-6-1/-3, UN38.3, IEC 62321, IEC 60529, CE, TUV			






¹ Test conditions: Cell Voltage 2.5 - 3.65V, 0.2C charge & discharge at +25 ±2°C for battery system at beginning life.
² This data is only available when the heating function is disable. If the heating function is enabled, the charge/discharge temperature range is -20°C - +55°C.
 * Performance may be de-rated at non-standard condition.
 * The final explanation right belongs to Clenergy.



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