

H C B

S C L A R



STORAGE SOLUTIONS

Change your Energy
Charge your Life

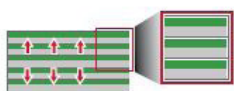


LG Chem is part of the world leading LG Group of companies - a group which operates across many diverse business areas globally.

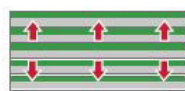
With 22 years of experience in successfully delivering products and solutions to customers in the global energy sector, LG Chem is recognized as the industry leader in Lithium-ion battery manufacturing.

Lithium-ion Battery Cells

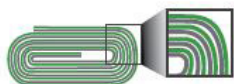
LG Chem's L&S (Lamination & Stacking) process minimizes dead space, enables higher energy density, and enhances the sustainability of cell structures.



LG Chem : L&S
Less dead space



LG Chem : L&S
Stable cell structure after cycles



Others : Winding

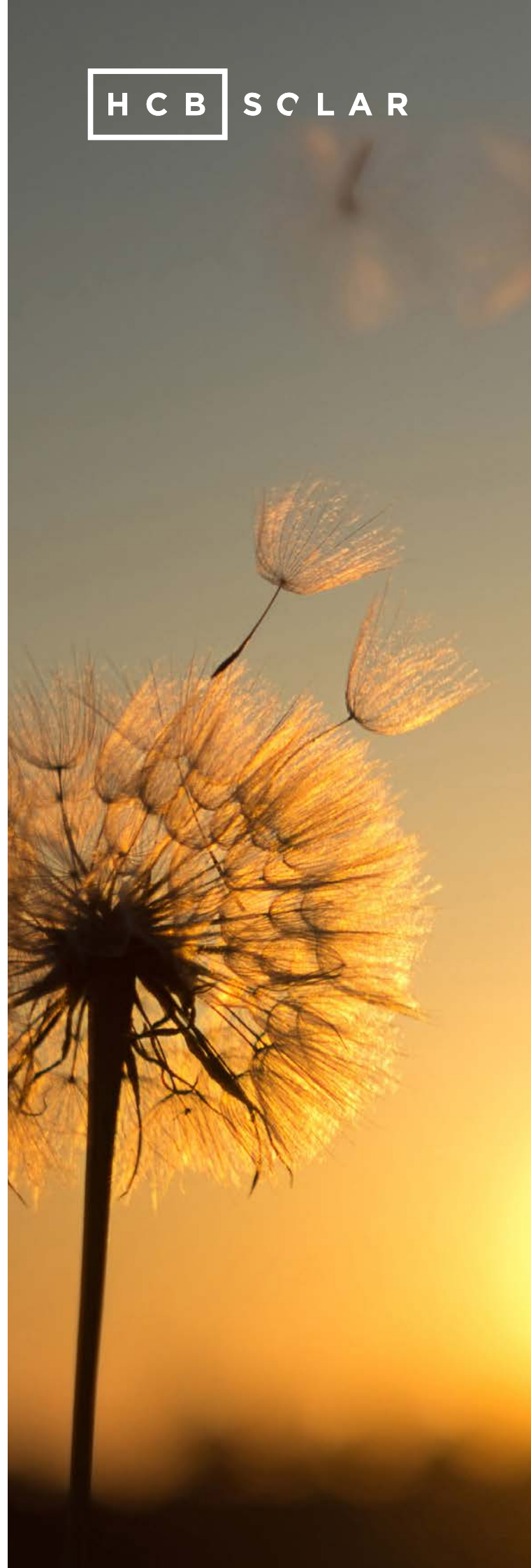


Others : Winding

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H C B S C L A R





Lg Chem Resu Batteries Low Voltage

Compactness

- World Best Energy Density

Expandable

- Up to 2 packs

Flexible Installation

- Wall mounted or Stand
- Indoor or Outdoor
- Diverse Inverter Matching



RESU 3.3



RESU 6.5



RESU 10



SolaX Hybrid Inverter

Achieve your independence from traditional power providers considering the intelligent SolaX Hybrid Series with charger.

With ongoing increases in energy prices and the continual decrease of the feed-in tariff, you must make the most out of your solar energy. Our X-Hybrid Energy Storage System is the perfect solution to solve this problem and to get the most out of your solar energy both today and into the future. Our Hybrid solution makes it possible to utilise solar power time-independently by storing unused capacity. It converts and directs solar power to where it is needed, when it is needed.

More than just an inverter, the innovative X-Hybrid is an intelligent energy management system that stores surplus energy in batteries for later use.

- MPPT efficiency up to 99%
- Maximum efficiency up to 97.6%
- Maximum DC input voltage of 580V
- Dual MPP tracker and wide MPPT voltage range for more flexibility
- Manager remotely via built-in CT and WiFi monitoring
- Programmable Export Control
- EPS available: SK-TL5000E Series



Emergency Power Supply

Power your home during grid outage

EPS Box integrates two contactors which provides simple connection for users. It is compatible with X-hybrid E Series inverter. Configured with EPS Box, customers just need to connect 6 wires between the inverter and the EPS Box. It can simplify the operation and improve security.



Compact Size & Easy Installation

The compact and lightweight nature of the RESU is world-class. It is designed to allow easy wall-mounted or floor-standing installation for both indoor and outdoor applications. The inverter connections have also been simplified, reducing installation time and costs.



Powerful Performance

The new RESU series features industry-leading continuous power (4.2kW for RESU6.5) and DC round-trip efficiency (95%). LG Chem's L&S (Lamination & Stacking) technology provides durability ensuring 80% of capacity retention after 10 years.



Proven Safety

LG Chem places the highest priority on safety and utilizes the same technology for its ESS products that has a proven safety record in its automotive battery. All products are fully certified in relevant global standards.

save with this
battery solution



LG Chem RESU 10.0



SMA Sunny Boy Storage 2.5

LG Chem RESU Batteries High Voltage

The compact and lightweight nature of the RESU is world-class. It is designed to allow easy wall-mounted or floor-standing installation for both indoor and outdoor applications. The inverter connections have also been simplified, reducing installation time and costs.

The new RESU series features industry-leading continuous power (4.2kW for RESU6.5) and DC round-trip efficiency (95%). LG Chem's L&S (Lamination & Stacking) technology provides durability ensuring 80% of capacity retention after 10 years.

Sunny Boy Storage

Independent power generation for your home

The Sunny Boy Storage is the battery inverter for high-voltage batteries from all reputable manufacturers. With a charge and discharge power of 2.5 kW, it is ideally suited to coping with the electricity demand of a private household. The device combines the flexibility of the AC coupling with the advantages of high-voltage technology, enabling a significant reduction in system and installation costs. Thanks to the integrated web server and the direct portal access, commissioning is simple and the energy flows in the household are as transparent as possible.

However electric current is produced and consumed – whether in existing or new PV systems, using wind energy, in CHP plants or to ensure a secure supply in the event of grid failures – the Sunny Boy Storage does it all, both today and in the future, because systems with the Sunny Boy Storage can be flexibly extended at any time on both the generator and battery sides.



LG is a leader in renewable solar energy with high efficient panels generating electric power via photovoltaic systems.

Many of our panels in Australia are used on grid as part of residential solar systems, but we are now seeing increased use of renewable power for commercial solar energy power systems.

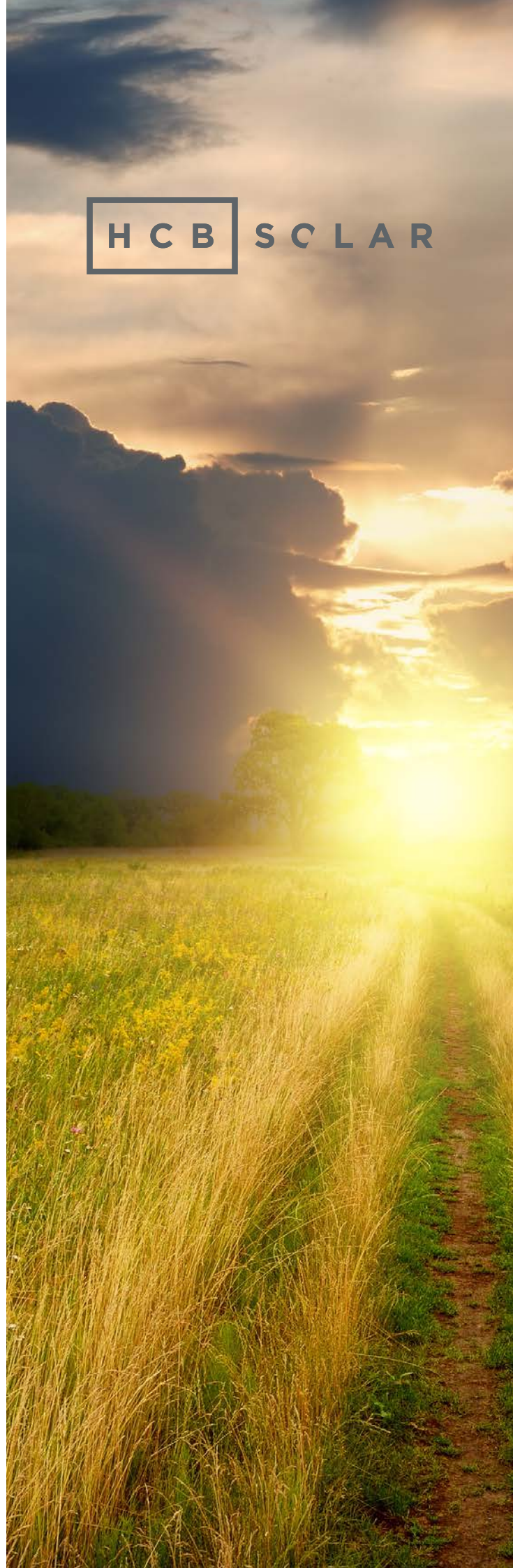
LG NeON 2

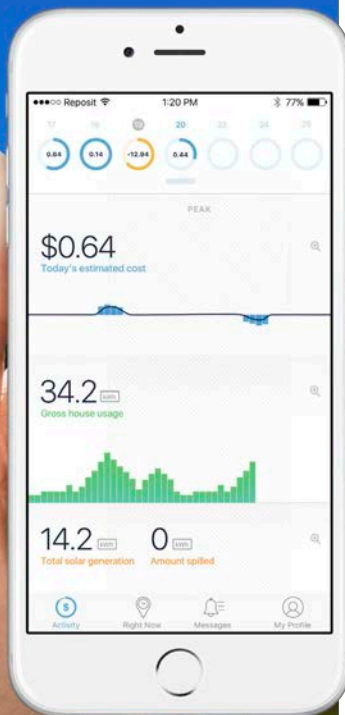
The new LG NeON™ 2 has seen many improvements, from longer warranties and higher efficiency to stronger frames and better wind loading. This panel is ideal for homes seeking a visually pleasing solar panel and for roofs where space is tight or where future system expansions are considered e.g. to incorporate battery storage or electric car charging.

The LG NeON™ modules with their double sided cells and CELLO technology absorb light from the front and the back of the module. This technology sets a new standard for innovation and was recognised with the 2015 Photovoltaic Innovation Award at the Intersolar Industry Event in Germany.



H C B S C L A R





Reposit Power

Credit where credit's due

EARN GRIDCREDITS™ AND SAVE HUNDREDS ON YOUR ENERGY BILL

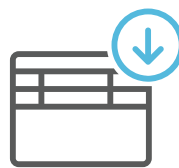
The sun doesn't always shine and the wind doesn't always blow. During these times, energy companies struggle to meet demand and look to homes with excess energy for help – and they're willing to pay for it. When this happens, Reposit is like your own energy stock broker. If the demand is high enough, it will automatically trade your excess energy for GridCredits™ which it will then put towards lowering your bill – and every GridCredit™ you earn is another dollar off your bill.

TIME TO GET WITH THE PLAN.

To access GridCredits™ you'll need to be with an energy company that offers a GridCredits™ plan.

We recommend Diamond Energy, Powershop and Simply Energy.

Visit repositpower.com to find out more.



Reposit learns something new every day

AN INTUITIVE SYSTEM THAT WORKS TO LOWER YOUR ELECTRICITY BILL

Reposit gets to know you and your energy consumption patterns over time and adapts accordingly. Say you have your own morning routine, the coffee machine and toaster go on while you catch up online and give your phone a final charge, Reposit will learn to charge your battery overnight while prices are lowest so you can avoid that morning price surge. And during the day, it'll recharge using solar so you're off the grid in the evening. With Reposit, you're only connected to the grid when you have to be and when prices are at their lowest.

background to get you the lowest bill.



Checking in when you're out

MONITOR YOUR ENERGY USAGE FROM YOUR PHONE

Our native iOS and Android apps will make sure you're staying on top of your home's energy use, even when you're not at home. You can keep an eye on how your battery and solar are operating from anywhere and get real-time notifications whenever you're earning GridCredits™. It will even give you some handy hints on where you can save more energy and suggest the best way to use the excess.



HCB SOLAR



LG Chem RESU 3.3/6.5/10

	3.3kWh	6.5kWh	9.8kWh
Total Energy	3.3kWh	6.5kWh	9.8kWh
Battery Voltage(Range)	51.8 V DC (42~58.8V DC)		
Capacity	63Ah	126Ah	189Ah
Physical Characteristics			
Dimension(WxHxD)	452x401x120mm	452x654x120,,	452x482.5x227mm
Weight	31kg	58kg	75kg
Energy Density	152Wh/l	183Wh/l	202Wh/l
IP Rating		54	
Electrical Characteristics			
Configuration	14S1P	14S2P	14S3P
Charge/Discharge Power	3kW(Max contin- uous)	4.2(Max Con- tinuous)	5kW(Max Continuous)

Operating Conditions

Communication	CAN
Operation Temperature	-10~45 (0~40 without Derating of Power)



Solax SK-SU5000E

Max Recommended DC Power	5000W
Max DC Voltage	550V
Nominal DC Operating Voltage	360V
MPPT Voltage Range	125-530V
Max Input Current	12/12A
Max Short Circuit Current	15/15A
Number of MPP Trackers	2
Strings per MPP Tracker	1

Output AC

AC Nominal Power	4600W
AC Nominal Current	20A
Max AC Current	22.1A
Total Harmonic Distortion	<3%
Power Factor (Rated Power)	1

Efficiency

MPPT Efficiency	99.9%
Euro Efficiency	97.0%
Max Efficiency	97.6%
Charge Efficiency	94%
Discharge Efficiency	94%
Standby Losses	<7W

Charger [BMU]

Nominal Voltage	48V
Voltage Range	40-60V
Battery Type	Lithium(LFP)
Max Charging Current	50
Over Current Protection	Yes
Over Temperature Protection	Yes

Charge And Discharge

Max Charge Power	2500W
Max Charge Current	50A
Max Charge Efficiency	94%
Max Discharge Power	2500W
Max Discharge Charge Current	50A
Max Discharge Charge Efficiency	94%
Depth of Discharge	80%(adjustable)

Others

Operating Temperature Range	-10~+50°C (derating at 40)
Dimensions W x H x D	490mm x 595 mm x 167 mm
Weight	23.5kg