



catch
energy

Technical Specification Sheet



EASY TO INSTALL ✨ BESPOKE MODULAR SYSTEM ✨ BEST PRICE ✨
DOMESTIC AND COMMERCIAL ✨ BEST SAFETY ✨ OPERATES IN EXTREME TEMPERATURES

Creating better energy solutions for the world

Catch Energy's market-leading batteries are safe, powerful, long lasting and developed to suit your needs no matter how large or small your energy demand is. Even if your space is limited, difficult to get to, or in extreme temperatures - we have a solution for you!

The Power Stack features an industry-leading cycle life and warranty thanks to a battery that continues to perform at full efficiency, even if charged and discharged more than once per day.

With safety as a key driver, our battery technology offers the lowest risk of fire or failure, and therefore we believe they are the best and most suitable batteries available for the home.

The Modular System

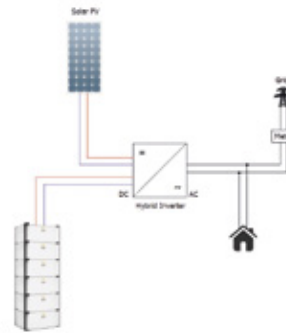
We can tailor-make your system to meet your needs with minimal wastage. The Catch Energy Power Stack is a modular unit, meaning each battery holds 750Wh of power and can be combined together to create larger systems. Our most popular size connects 6 batteries which creates an impressive storage solution of 4500Wh and the capability to provide 90,000kWh of energy over the product's warranted life.



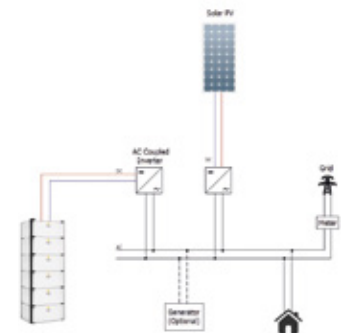
Key Benefits

- High cycle life, fully charge and discharge over 20,000 times with no degradation
- Lowest cost of stored power on the market
- Outstanding battery safety & durability
- Wide temperature range (-30°C to +55°C)
- Works on or off-grid
- Compatible with single or three phase inverters
- Easy Plug & Play installation
- Robust and reliable
- Designed for effective use of space in your home

Integrating Our Battery into your Green Energy Solution



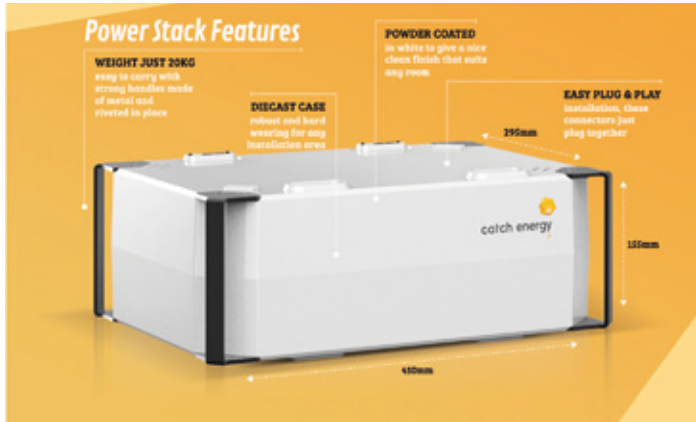
Hybrid Integration



Retrofit Integration

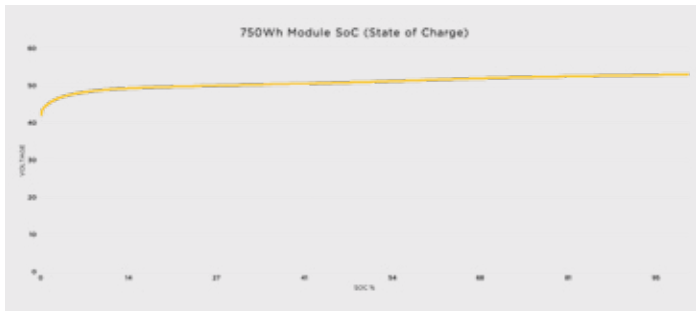
Power Stack

The Power Stack is perfect for indoor installations. Supplied as a pre-wired, highly durable modular system. Each 750Wh Power Stack battery unit is easy to handle and quick to install either vertically or horizontally. Its size and versatility therefore means it can be deployed in small, less-used areas of the home; such as under the stairs, in a utility room, or even in the loft.



Small Commercial Applications

The Power Stack is ideal for scaling to provide small commercial storage solutions. Supplied as stacks of 6 creating 4500Wh they can be installed together to create larger solutions. As a more attractive solution to a bulky rack mounted commercial system, this is ideal for small offices, cafes, vets, medical centres and other buildings with smaller spaces and medium energy usage.



Compatible Inverters

The Power Stack is so friendly it gets on with a range of other fantastic products



more to be announced...

Battery Characteristics	
Cell Chemistry	Lithium Titanate
Nominal Energy	750Wh
Current Capacity	15.6Ah
Nominal Voltage	48V
Depth of discharge	100%
Round-trip efficiency	98%

Mechanical Specifications	Power Stack
Width x Depth x Height	155 (add 140 per stack) x 410 x 295mm
Weight	20kg
Ingress Rating	IP44
Installation	Indoors

Temperature Characteristics	
Operating Temperature	-30°C to +55°C
Cooling	Natural Convection

Your certified Catch Energy partner

Catch Energy UK

Unit 2 Querns Business Centre,
Whitworth Road, Cirencester,
Gloucestershire, GL71RT, UK

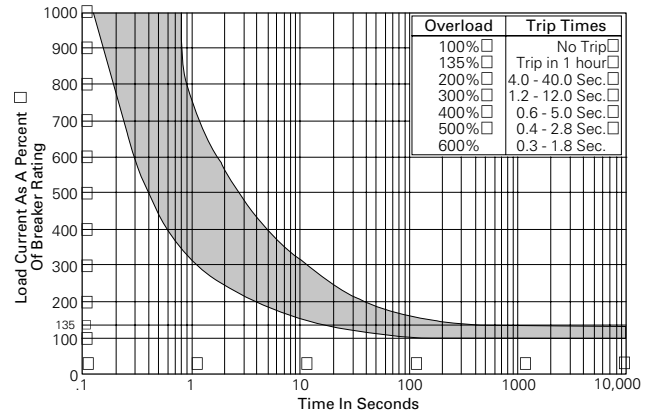
Catch Energy Australia

2 Shearson Crescent,
Mentone, Melbourne,
VIC 3194, Australia

Power Specifications	
Charge Cut-off Voltage	53V
Discharge Cut-off Voltage	42V
Nominal Charge / Discharge	1.2C (20A) / 1.2C (20A)
Warranty	15 years / 20,000 cycles

domestic customers only

Time vs. Current Trip Curve @ +25°C



Ambient Temperature in °C	Rating Correction Factor - 20A Models
10	.80
20	.90
25	1.00
30	1.05
40	1.15
50	1.25
60	1.40

To use this chart: Divide 20 by the correction factor to determine the compensated rating. Calculate the overloads in terms of the compensated rating to use the published trip curve of each module.