



# Incredible battery life at a fantastic price

Catch Eco 2/3/5 kWh, Catch Eco 3/5 kWh Superior LFP

Lithium-iron phosphate battery technology is one of the most reliable, safe and long-lasting battery technologies currently available in the market.

Its unique chemical balance, lower resistance and ability to handle far wider variations in temperature make it the ideal choice for your energy storage needs.

These modular energy storage solutions have flexible scalability, perfect for residential and commercial applications. Our indoor and outdoor battery options both offer a market-leading 10,000 cycles with ten year warranty.

## Lithium-iron phosphate indoor range

- 2kWh LFP Battery
- 3kWh LFP Battery
- 5kWh LFP Battery

## Lithium-iron phosphate outdoor range

- 3kWh Superior LFP
- 5kWh Superior LFP



Outdoor range (IP-65)



Indoor range

## Features

- Natural convection
- Indoor and outdoor options (IP 65)
- Wall-mountable, flexible installation
- Up to 5 modules in parallel connection
- No limitation if installed with power control unit
- Compatible with various hybrid inverter brands
- Meets stringent IEC standards
- 10,000 cycles at 90% DOD

Creating better energy solutions  
Need energy? Want choice? Contact Catch Energy  
[www.catchenergy.com](http://www.catchenergy.com)

## Indoor range : Technical specifications for 2kWh, 3kWh and 5kWh options

Total Energy [kWh]	2KWH	3KWH	5KWH
Useable Energy [kWh]	1.84KWH	2.76KWH	4.6KWH
Capacity [Ah]	40AH	60Ah	100Ah
Nominal Voltage [V]	51.2V	51.2V	51.2V
Voltage Range [V]	40V~58.4V	40V~58.4V	40V~58.4V
Nominal Charge Current [A]	40A (1C)	60A (1C)	100A (1C)
Nominal Discharge Current [A]	40A (1C)	60A (1C)	100A (1C)
Peak Discharge Current [A]	60A (1.5C) for 10 mins	80A (1.3C) for 10 mins	120A (1.2C) for 10 mins
Connection Mode	Parallel	Parallel	Parallel
Scalability Range	max. 4PCS without PCU, no limitation with PCU		
Installation Mode	Ground Sit and fix on wall (Optional IP 55 Cabinet)		
Communication	CAN 2.0B	CAN 2.0B	CAN 2.0B
Temperature	0°C~45°C Charge (Option -45°C low temperature charge) -20°C~55°C Discharge		
Enclosure Protection Rating	IP21	IP21	IP21
Calendar Life [Year]	20 years @25°C, 15 years @35°C, 10 years @45°C		
Depth of Discharge	90%	90%	90%
Dimension [W*H*D, mm]	510*400*247mm	510*595*247mm	510*630*300mm
Weight [kg]	30KG	40KG	65KG
Standard Warranty	10000 cycles or 10 years for materials and workmanship, either is earlier		
Certificates Cell	UL1642, IEC62133		
Product	UL1973, IEC62619, UN38.3		

## Outdoor range (IP-65) : Technical specification for 3kWh and 5kWh options

Total Energy [kWh]	3KWH	5KWH
Useable Energy [kWh]	2.7KWH	4.5KWH
Nominal Voltage [V]	51.2V	51.2V
Nominal Capacity [Ah]	60AH	100AH
Operation Voltage Range [V]	40V-58.4V	40V-58.4V
Nominal Charge Current [A]	60A(1C)	100A(1C)
Nominal Discharge Current [A]	60A(1C)	100A(1C)
Peak Discharge Current [A]	80A(1.3C) for 10 mins	120A(1.2C) for 10mins
Scalability Range/Mode	Max. 5 modules parallel without BMU, No limitation if with BMU	
Installation Mode	Wall Mounted	Wall Mounted
Data Communication	RS485/CAN	RS485/CAN
Temperature	0°C-45°C Charge (Optional -45°C low temperature charge) -20°C-55°C Discharge	
Enclosure Protection Rating	IP 65	IP 65
Calendar Life [Year]	20 years @25°C, 15 years @35°C, 10 years @45°C	
Depth of Discharge	90%	90%
Dimension [W*H*D, mm]	412*387*183	412*746*183
Weight [Kg]	45KG	65KG
Standard Warranty	10,000 cycles @90% DOD, or 10 years, either is earlier	
Certificates Cell	UL 1642, IEC62133	
Pack	UL 1973, IEC62619, UN 38.3	

Your certified Catch Energy partner

Catch Energy UK

Unit 2 Querns Business Centre, Whitworth Road  
Cirencester, Gloucestershire, GL7 1RT, UK

+44 (0) 333 880 2107



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[www.twitter.com/CatchEnergy](http://www.twitter.com/CatchEnergy)

[info@catchenergy.com](mailto:info@catchenergy.com)