Squirrel pod
battery storage system

"EXPANDABLE, EASY TO INSTALL AND FUTURE PROOF"

Electricity suppliers are offering new opportunities to access cheap electricity. Off Peak Charging allows you to harvest that cheap electricity and store it in batteries to power your home.

The Squirrel pod offers an expandable solution for Off Peak charging to help cut the prices you pay for electricity. Manual and automatic charging means you can store cheap electricity whenever it is cheapest day or night.

The Squirrel Pod is a modular system, meaning you can start with a small system, and expand the capacity by adding more batteries, or expand the speed of charge and discharge by adding controllers.

Smart controller features make charging simple. Smart Lithium batteries allow online technical support for both controllers and batteries from UK technical support centre.

What does a squirrel pod offer that other units don't?

It future proofs your system. If in the future you require a greater capacity of charge/discharge (to store power faster or cover higher loads) then you can add controllers to increase the capacity.

Each controller adds 3.5kw (70A) of charge/discharge capacity.

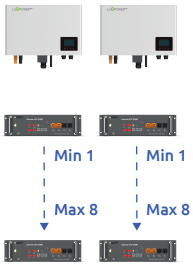
Single Squirrel Pod

Ready for additional units in the future

Max charge/discharge 3.5kw

Add from 1-8 batteries

Double Squirrel Pod
Two battery stacks



2 units work together as Primary and Sub unit

Only the Primary has the CT connections Max charge/discharge 7kw

Each Squirrel Pod can have up to 8 batteries

Multiple Squirrel Pod
Three battery stacks

3 units work together as Primary and Sub unit

Only the Primary has the CT connections Max charge/discharge 10.5kw

Each Squirrel Pod can have up to 8 batteries

Why should I purchase a squirrel pod?

- Battery storage used with or without Solar
- Store cheap electricity
- Modular Battery storage system
- Expandable Charge/Discharge capacity
- Online App or Server monitoring/programming
- 10-year manufacturer warranties
- Add batteries for greater storage
- Future proof your system with squirrel pods
- UK technical support
- Multiple charge settings
- Works with Octopus Auto Charge package
- Easy relocation if you move house

ASK RENEWABLE SOLUTIONS LTD

works with octopus

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Squirrel pod system

Data sheet

Battery	ACS 3.6k
Compatible Battery Type	Lithium-ion, Lead-Acid etc.
Nominal Battery Voltage	48V.d.c
Max. Charging Voltage(V)	<=60 V(Configurable)
Max. Charge/Discharge Current	70A / 70A
Battery Capacity(Ah)	50 - 400 Ah
Charging Mode for Li-Ion Battery	Self-adaption to BMS
Charging for Lead-acid Battery	3-stage adaptive with maintenance
Battery Back Feed Current	0A

Grid	
Nominal AC Output Power to Utility	3600VA
Max. AC Output Power to Utility	3600VA
Max. AC Input Power from Utility	6000VA
Max. AC Output Current to Utility	16A
Max. AC Input Current From Utility	26A
Nominal Output Voltage	220/230V.a.c
AC Voltage Range	180 - 270V.a.c
Nominal AC Frequency	50Hz/60Hz
AC Over Current Protection	31A
Power Factor	1(adjustable 0.8leading -0.8lagging)
THDI	<3%
AC Over Voltage Category	Category III

UPS	
Max. Output Power	3600VA
Nominal Output Voltage	230V.a.c
Nominal Output Frequency	50Hz / 60Hz
Max. Output Current	16A
Peak Power	4500VA, 30s
THDV(linear load)	<3%
Switching Time	Typical 0.01s
Back-up Over Current Protection	31A

Efficiency	
Max. Charge / Discharge Efficiency	96%

Protection	
Reverse Polarity Protection	YES
Over Current/Voltage Protection	YES
Anti-islanding Protection	YES
AC Short-circuit Protection	YES
Leakage Current Protection	YES
Ground Fault Monitoring	YES
Grid Monitoring	YES
Ingress Protection Degree	IP65 / NEMA4X

General	
Dimension(mm)	520*320*17 0
Weight	15.6 kg
Topology	HF
Cooling Concept	Natural Convection
Relatively Humidity	100%
Altitude	<2000m
Noise Emission	<25dB
Standby Consumption	<5W
Display & Communication Interfaces	LCD, LED, RS485, Wi-Fi, CAN

Standards	G83, G100,CE,SAA EN61000-6-3
Max. charge/ discharge Current	70A / 70A
Battery Capacity(Ah)	100Ah
Charging Mode for Li-Ion Battery	Self-adaption to BMS
Charging for Lead-acid Battery Back Feed Current	3-stage adaptive with maintenance
	0A