



The Money Saving Energy System

Why spend time looking on comparison websites for energy switching, saving a penny here and there, when you can immediately halve your rate of electricity when you install StoreSave

Save money with smart electricity purchasing

Protect your home or business from power cuts

Save even more money with our included heat saving device

Reduce your boiler running time, whilst staying warm

Suitable for Home Owners, Tenants, Farms,
Business, Landlords, Builders and Developers
from 1,800kWh (studio apartment) up to
mWh (commercial premises) annual consumption.

AROUND **50%** CHEAPER ELECTRICITY AND SAVE UP TO **30%** ON YOUR HEATING BILL

The StoreSave systems are a combination of two products, installed in your property. The first is our state of the art Energy Storage System (ESS) and the second is a heating fuel saving system, that is installed between your boiler and thermostat.

The Money Saving Energy System comprising of an Energy Storage System + Heating Fuel Saving device

The Benefits...

- 50% +/- electricity savings, depending on your electricity tariff.
- Optional Switch to ensure you get the best E7 / Off peak electric rate with optional Gas supply.
- The system will also act as a UPS protecting all your home from electricity cuts.
- You can add Solar PV or a Wind Turbine, to further increase your savings but neither are required.
- WIFI monitoring with remote technical support for peace of mind ownership.
- Savings are not dependent on any form of government schemes unlike solar or wind electrical generation.
- Modular design, sizes from 4.05kWh to 22.68kWh on single phase supplies and up to 100kWh on three phase.
- 10 year product warranty (80% storage capacity left after 10 years or 6000 cycles)



Suitable for EVERYONE...

- All types of UK homes from studio apartments to stately homes (Single Phase)
- Farms and all types Businesses (3 Phase)
- Suitable for homeowners and tenants, the system can move with you, it only requires up to 2 hours of electrician's time to connect/disconnect.
- Landlords and housing associations wishing to reduce costs for communal areas or tenants, additional rent revenue or metered billing available to recoup costs and more.

IMPORTANT - To use this product you will require a smart meter or Economy 7 meter and a peak and off peak tariff. We can provide this if required, contact us for details



How it works

The energy storage system charges batteries during the night when its cheaper, then delivers that electricity stored into your home as you require it, thus not requiring expensive electricity during peak times at higher rates. In addition, it acts as an Uninterruptible Power Supply (UPS) system protecting your home from electricity cuts. The system can also be charged from existing or planned solar PV systems. The system is available to anyone with an electric meter, single or 3 phase.

Electric Bill Savings: If you pay 14 pence per kW for your electricity and you switch to a E7 / Off peak tariff of 7p then the savings are half, making great savings for the next 20 years.

StoreSave Heating Fuel Saving Device:

The heat saving device fits between the boiler and thermostat, it reduces the amount of the boiler on time, whilst maintaining temperatures that you require, its fully adjustable to ensure your comfort. Works on any wet system (radiators) that are fueled by Oil, Gas and LPG.

Heating Bill Savings: up to 30% (average 16%)

Total StoreSave System Savings

If you purchase via finance the annual savings are greater than the finance repayments making this system cash positive from year 1, but your total savings over 20 years will be greater when purchasing outright, due to the additional cost of finance.

Renewable's Ready

SOLAR PV - If you own a solar PV system or Wind turbine, our system will store what you would normally export to the grid and save that energy for later use, whilst you still receive the deemed export payment of 50% of your systems electrical generation.

AIR OR GROUND SOURCE HEAT PUMP - The combination of a ASHP or GSHP and the StoreSave system delivers the lowest cost of heating on this planet. Currently the cheapest form of heating is Gas at around 4.2 pence per kW. As a ASHP runs at around a COP value of 3, meaning for every 1kW of electric it uses it generates 3kW of heat. so 1kW of electricity @ 7 pence (off peak rate) put into the ASHP delivers 3kW at a cost of 2.33 pence per kWh. (off peak rate / COP)

So a typical home using 16000 kWh of Gas will cost @ 4.2pence per kWh = £672

ASHP + StoreSave delivers 16000 kWh x 2.33 pence = £372.80 (£299.20 saving per year).

Optional Installation Service – 15 to 30 days from order. Alternatively, you can have it installed by your own preferred qualified electrician. We can also offer an outside box for the battery's, but the inverter must be mounted inside the property. Contact us for details and pricing.

How to buy

Option 1 - Visit our online store www.StoreSave.co.uk to complete an order for standard systems.

Option 2 – Use the below 4 Step process to complete your order for standard systems.

Option 3 – Complete the survey form for *custom designed systems* from 26,500kWh+ up to 1mWh.

Step 1 - System Configuration, which StoreSave system for your property?

Using the chart, match YOUR annual electricity usage and the relevant StoreSave Model, if you are in any doubt please contact us. This sizing charts assumes that 18% (average for uk households) of your electricity is used between 12 midnight and 7am. If your usage is different please contact us.

YOUR Property uses [kWh] of electricity per year	YOUR Annual electricity bill off approximately *	StoreSave Model	Single or 3 Phase Property Electric Supply
1,800	£288	StoreSave 4.05	Single
2,500	£400	StoreSave 5.67	Single
3,500	£560	StoreSave 8.1	Single
4,900	£784	StoreSave 11.34	Single
7,300	£1,168	StoreSave 17	Single
9,800 plus	£1,568	StoreSave 22.68	Single
14,700	£2,352	StoreSave 3P-34.02	Three
22,091	£3,534	StoreSave 3P-51.03	Three
26,500 plus	£4,240	StoreSave 3P-68.04	Three

* Annual electricity bill uses 16 pence x kWh per year and excludes any standing charge

NOTE: If you use more than 26,500kWh per year then please complete a survey form and we will price accordingly

Step 2 –Check Space Required, where will it fit in your home?

The inverter charger needs to be fixed to a wall, ideally placed close to the electrical distribution board, the batteries can be located sat on the floor side by side near the inverter location, or they can be fixed to a wall, but please note the weight of the battery's.

StoreSave Model	Energy Storage System Sizes	Heat Saving Device
StoreSave 4.05	1 x Inverter - (460w x 477h x 181.5d, weight 26.85kg) + 1 x Battery with Master Box (BMS) (464w x 193d x 693h, 62.3kg)	Standard Socket Size
StoreSave 5.67	1 x Inverter - (460w x 477h x 181.5d, weight 26.85kg) + 1 x Battery with Master Box (BMS) (464w x 193d x 693h, 73.2kg)	Standard Socket Size
StoreSave 8.1	1 x Inverter - (460w x 477h x 181.5d, weight 26.85kg) + 1 x Battery with Master Box (BMS) (464w x 193d x 693h, 62.3kg) + 1 x Battery's (464w x 193d x 588h, 56.6kg)	Standard Socket Size
StoreSave 11.34	1 x Inverter - (460w x 477h x 181.5d, weight 26.85kg) + 1 x Battery with Master Box (BMS) (464w x 193d x 693h, 73.2kg) + 1 x Battery's (464w x 193d x 588h, 67.5kg)	Standard Socket Size
StoreSave 17	1 x Inverter - (460w x 477h x 181.5d, weight 26.85kg) + 1 x Battery with Master Box (BMS) (464w x 193d x 693h, 73.2kg) + 2 x Battery's (464w x 193d x 588h, 67.5kg)	Standard Socket Size
StoreSave 22.68	1 x Inverter - (460w x 477h x 181.5d, weight 26.85kg) + 1 x Battery with Master Box (BMS) (464w x 193d x 693h, 73.2kg) + 3 x Battery's (464w x 193d x 588h, 67.5kg)	Standard Socket Size
StoreSave 3P-34.02	3 x Inverter - (460w x 477h x 181.5d, weight 26.85kg) + 3 x Battery's with Master Box (BMS) (464w x 193d x 693h, 73.2kg) + 2 x Battery's (464w x 193d x 588h, 67.5kg)	Standard Socket Size
StoreSave 3P-51.03	3 x Inverter - (460w x 477h x 181.5d, weight 26.85kg) + 3 x Battery's with Master Box (BMS) (464w x 193d x 693h, 73.2kg) + 6 x Battery's (464w x 193d x 588h, 67.5kg)	Standard Socket Size
StoreSave 3P-68.04	3 x Inverter - (460w x 477h x 181.5d, weight 26.85kg) + 3 x Battery's with Master Box (BMS) (464w x 193d x 693h, 73.2kg) + 9 x Battery's (464w x 193d x 588h, 67.5kg)	Standard Socket Size

Step 3 - Pricing & Order



ORDER FORM

THANK YOU FOR YOUR ORDER

FREE £50?

Refer a friend and receive £50
(terms and conditions apply)

Your Details:		Date:	
Address:		Order Reference:	
Town:		Lead/Agent:	
Post Code:		Site Contact:	
Tel.:		Site:	
Mobile:		Site Address:	
Email:		Site Town/Postcode:	

StoreSave System	kWh useable	Your Property Annual Consumption in kWh	Price per unit	Qty	Price
StoreSave 4.05	4.05	1,800	£1,811.25		
StoreSave 5.67	5.67	2,500	£2,386.25		
StoreSave 8.1	8.1	3,500	£2,961.25		
StoreSave 11.34	11.34	4,900	£4,111.25		
StoreSave 17	17.01	7,300	£5,836.25		
StoreSave 22.68	22.68	9,800	£7,561.25		
StoreSave 3P-34.02	34.02	14,700	£10,687.50		
StoreSave 3P-51.03	51.03	20,600	£16,183.75		
StoreSave 3P-68.04	68.04	26,500	£20,998.75		
For Larger Systems up to multi mWh please complete a survey form and we will price accordingly				Total	£

Installation, Test and Commission by StoreSave (CPSL Group)	Cable Run (Distribution Board to battery location)		
	1 to 10 Meters	Qty	Price
StoreSave 4.05	£190.00		
StoreSave 5.67	£190.00		
StoreSave 8.1	£200.00		
StoreSave 11.34	£200.00		
StoreSave 17	£230.00		
StoreSave 22.68	£260.00		
StoreSave 3P-34.02	£560.00		
StoreSave 3P-51.03	£620.00		
StoreSave 3P-68.04	£690.00		
		Total	£

Additional cabling over and above the included 10 meters		Price per meter	Meters	Price
Additional Trunked Cabling per 1 Meter		£11.50		
Additional Chased/Concealed Cabling per 1 Meter		£74.75		
		Price per unit	Qty	
WiFi Module		£30.00		
1 way consumer unit (Single Phase)		£126.50		
New Distribution Board (Single Phase)		£402.50		
Consumer Unit (3 phase)		£563.50		
4 Way Distribution board (3 phase)		£782.00		
8 Way Distribution board (3 phase)		£943.00		
12 Way Distribution board (3 phase)		£1,265.00		
Delivery 3 to 5 working days (Standard Systems)		£50 per single phase system, £150 per 3 phase system		
Bank Transfers - Free			Total	£
Debit & Credit Card Surcharge @ 1.5%		1.5%		£

Note: Delivery of systems purchased with the installation service will take between 14 and 30 days

Grand Total	£
VAT@20%	£
Total Inc. VAT	£

Step 4 - Purchase Agreement

This agreement is between StoreSave and [] Dated []
in agreement under UK Law, and as such any disputes will be resolved the United Kingdom Law.

The **Customer** understands and agrees to the following: -

- Agrees to pay StoreSave a total sum of [] by Finance ____ Bank Transfer ____ Credit Card ____
- You have 14 Days to cancel this contract, to do this contact us via email or telephone and we will email a cancellation confirmation letter and refund the total costs.
- The client takes responsibility and agrees the property has sufficient space for the installation of the StoreSave system.
- The StoreSave product requires the property's electric meter to be either a economy 7 meter or smart meter with different rates for day and night, known as peak and off peak tariffs, between 12pm till 7am, check with energy supplier.
- The Savings will vary and are dependent on the peak and off peak tariffs available to you and how you use electricity.
- Errors do happen and we will make every effort to resolve any such matters as quickly as possible, if a resolution to a problem cannot be resolved within 30 days of purchase StoreSave will offer to remove the equipment and refund the goods costs or continue to resolve any issue.
- StoreSave has no finance offerings or is licensed to do so in any way, we request customers seek offers.
- Gives permission to StoreSave to contact the client regarding new updates or new products.
- Understands that by moving any electrical appliance to operate between their off-peak tariff times, will only further assist the system provide greater savings for longer, due to less load on the batteries.
- If an installation service is included in the purchase then the client agrees to provide a toilet for installation staff and access to the property on the date of install. Whilst ensuring the space where the system is to be fitted is clear of any obstructions.

StoreSave understands and agrees to the following: -

- To deliver the product that is ordered without the installation service within 7 days of cleared funds paid by the customer. If the purchase includes installation the delivery and install date will be from 15 to 30 days of cleared funds.
- Provide a free service to find the customer the lowest rates possible with a no fee change of meter service, if required.
- Provide a professional technical support service with leading customer service ethics.
- Provide a 10 year warranty on goods and a 2 year workmanship warranty on all installation work.
- Keep the customer informed of any system updates and upgrades and what it will mean to the customer.
- To provide technical support between the hours of 8am and 6pm Monday to Friday free of charge.
- Provides a 30 day no quibble money back guarantee for systems purchased with installation

Signed on behalf of **StoreSave**

Signed by **Customer**

Print Name:

Print Name:

Date:

Date:

Thank you for your order!

www.StoreSave.co.uk



Technical Data Sheets

STORESAVE LITHIUM ION BATTERY TECHNICAL DATASHEET

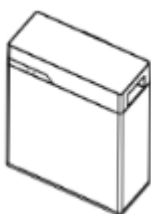


Batteries can be fitted to a wall or floor.

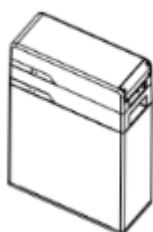
Safety protection from both hardware and software.



Master Box
MC0500
461*189*105mm



Battery Module
T45(HV10040)/T63(HV10056)
464*193*588mm



**Master Box+
battery module(s)**
464*193*693mm

	MASTER BOX	S45	S63
Nominal Voltage(Vdc)	/	100.8	100.8
Operating Voltage(Vdc):	70-500	85-118	85-118
Nominal Capacity(kWh):	/	4.5	6.3
Max. charge/discharge Current(A) :	30	30	30
Recommend Charge/Discharge Current (A):	25	25	25
Standard Power(kW)	/	2.5	2.5
Maximum Power(kW)	/	3	3
Dimension (mm)	461*189*105	464*193*588	464*193*588
Weight (kg)	5.7	56.6	67.5
Faradic Charge Efficiency (25° C/77° F) (%)		99	
Battery Roundtrip Efficiency (C/3,25° C/77° F) (%)		95	
Cycle life (90% DOD,25C/77F)		6000	
Available Operating Temperature (° C)		-10--45	
Optimal Operating Temperature (° C)		15--30	
Ingress Protection		IP55	
Scalability		Up to 4 modules(HV10040/10056)	
Warranty		10 years	

Certifications	T-BAT system safety	CE, FCC, RCM, TUV (IEC 62619), UL 1973
	Battery cell safety	UL 1642
	UN number	UN 3480
	Hazardous materials classification	Class 9
	UN Transportation testing requirements	UN 38.3

Useable Power	Master Box	Battery Module	Voltage (V)
4.05kWh	1	S45*1	85-118
5.67kWh	1	S63*1	85-118
8.1kWh	1	S45*2	170-236
11.34kWh	1	S63*2	170-236
17.01kWh	1	S63*3	255-354
22.68kWh	1	S63*4	340-472

3 Phase Systems

All 3 Phase Models, **StoreSave 3P-34.02**, **StoreSave 3P-51.03**, **StoreSave 3P-68.04** are 3 equal kWh systems from the above list, 1 per phase

StoreSave High Voltage Battery and Inverter Performance

One battery will charge and discharge its total kWh rating power @ 2kW per hour, 2 batteries @ 4kW, 3 batteries @6kW, 4 batteries@ 6kW.

StoreSave AC Inverter/Charger/Emergency Power System



Integrated WiFi (optional)

High Charge / Discharge Rate

Remote Aggregation

Plug and Play Installation

Integrated Energy Management

Works with Solar and Grid Charging

3 Phase – Use one system per phase

OUTPUT AC	
Nominal AC power [VA]	3680
Max. AC Power [VA]	3680
Rated grid voltage (AC voltage range) [V]	220/230/240 (180 to 270)
Rated grid frequency [Hz]	50/60
Nominal AC current [A]	16
Displacement power factor	0.8 leading to 0.8 lagging
Total Harmonic distortion (THDi, rated power)	<2%
Parallel operation	Under Development – future update
Load control	Under Development – future update (optional)
INPUT AC	
Nominal AC power [VA]	3680
Max. AC current [A]	16
Rated grid voltage (AC voltage range) [V]	220/230/240 (180 to 270)
Rated grid frequency [Hz]	50/60
Displacement power factor	0.8 leading to 0.8 lagging
BATTERY	
Battery voltage range [V]	85-400
Recommended battery voltage [V]	300V DC
Max. charge/discharge power [W]	Up to 6000W
Max. charge/discharge current [A]	20A (adjustable)
Peak charge/discharge current [A]	30A, 30s
Communication interfaces	CAN/RS485
Reverse connect protection	YES
Emergency Power Supply OUTPUT with BATTERY	
EPS max power [VA]	5000
EPS rated power [VA]	4000
EPS rated voltage [VA]. Frequency [Hz]	230VAC, 50/60
EPS rated current [A]	17.4
EPS max current [A]	21.7
EPS peak power [W]	8000, 10s
Switch Time [s]	<500ms
Total harmonic distortion (THDv, linear load)	<2%
Parallel operation	YES
Changeover device	External / Internal
Compatible with generator	YES (signal provided)
EFFICIENCY	
Max. Battery charge efficiency (AC to BAT @ Full Load)	95.60%
Max. Battery charge efficiency (BAT to AC @ Full Load)	97%
POWER CONSUMPTION	
Internal consumption (idle) [W]	<3
Idle mode	YES
STANDARD	
Safety	IEC62109-1/-2/ IEC62040 /
EMC	EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3
Certification	VDE 0126-1-1 A1:2012 / VDE-AR-N 4105 / G83 / G59 / AS4777 / EN50438 / CEI 0-21 / VDE 2510
ENVIROMENT LIMITS	
Ingress protection	IP65
Operating temperature range [° C]	-20.....+60° C (derating at +45° C)
Humidity [%]	0~95 (non condensing)
Altitude [m]	<2000
Storage temperature [° C]	-20.....+60° C
Noise emission (typical) [dB]	<40
Over voltage category	III (electrical supply side), II (battery side)
DIMENSION AND WEIGHT	
Dimensions (WxHxD) [mm]	460*477*181.5
Weight [kg]	26.85
Cooling concept	Natural
Topology	Transformerless
Communication	Ethernet, Meter, WiFi (Optional), RF (optional), DRM, USB, ISO alarm
LCD display	Backlight 20*4 character
Button	Capacitive Touch Sense
Standard Warranty	10 years

StoreSave Heat Saving Device



A revolutionary new way to reduce energy consumption in central heating systems. It automatically turns the heating off for the portion in every hour you select. This reduces your energy consumption over the whole heating year and saves you money on bills whilst very effectively maintaining the comfort level you set. It's not a thermostat - but you could call it a comfostat as it is designed to control your comfort in a more economical way.

Operating Voltage	110VAC to 240VAC
Fitting	Trunk Box or BS5733
Location	In series between boiler and thermostat
Operation	2 settings, Warm Start suggested setting 60 mins then operating dial adjustable from 15mins to 45 mins suggested 30 mins, then adjust accordingly to comfort levels, the higher the setting the higher the saving.



System Financial Performance

Your Bills			Energy Storage System							Heat Saving Device			Savings		
Existing Peak Rate	16.00	pence / kWh	Your annual kWh usage	Annual Battery Capacity in [kWh]	Your Assumed Usage in Off Peak times 12 to 7am, (18% is the average for a UK	Your Assumed Usage in Off Peak times Shift [kWh]	Battery Capacity + Off Peak Usage [kWh]	The difference between your current peak rate tariff and proposed off peak tariff. [£]	Electric Savings Per Year	Annual Heating Bill	Predicted Savings [%]	Heating Fuel Savings	StoreSave Total System Savings Year 1	StoreSave Savings Year in 16.85 1 charge and discharge cycle per day (6000 cycles)	Payback Year
New Off Peak Rate	7.00	pence / kWh													
usage 12 till 7am	18	%													
Heating Bill	£ 700.00	per year													
Heat Savings	16	%													
StoreSave Model	Price (excluding VAT)														
StoreSave 4.05	£1,811.25		1,800	1,442	18	260	1,701	£ 0.0900	£ 153.12	£ 700.00	16	£ 112.00	£ 265.12	£ 4,467.26	6.8
StoreSave 5.67	£2,386.25		2,500	2,019	18	363	2,382	£ 0.0900	£ 214.37	£ 700.00	16	£ 112.00	£ 326.37	£ 5,499.28	7.3
StoreSave 8.1	£2,961.25		3,500	2,884	18	519	3,403	£ 0.0900	£ 306.24	£ 700.00	16	£ 112.00	£ 418.24	£ 7,047.32	7.1
StoreSave 11.34	£4,111.25		4,900	4,037	18	727	4,764	£ 0.0900	£ 428.73	£ 700.00	16	£ 112.00	£ 540.73	£ 9,111.36	7.6
StoreSave 17	£5,836.25		7,300	6,056	18	1,090	7,146	£ 0.0900	£ 643.10	£ 700.00	16	£ 112.00	£ 755.10	£ 12,723.44	7.7
StoreSave 22.68	£7,561.25		9,800	8,074	18	1,453	9,527	£ 0.0900	£ 857.47	£ 700.00	16	£ 112.00	£ 969.47	£ 16,335.52	7.8
StoreSave 3P-34.02	£11,368.75		14,700	12,111	18	2,180	14,291	£ 0.0900	£ 1,286.20	£ 700.00	16	£ 112.00	£ 1,398.20	£ 23,559.69	8.1
StoreSave 3P-51.03	£16,183.75		20,600	18,167	18	3,270	21,437	£ 0.0900	£ 1,929.30	£ 700.00	16	£ 112.00	£ 2,041.30	£ 34,395.93	7.9
StoreSave 3P-68.04	£20,998.75		26,500	24,222	18	4,360	28,582	£ 0.0900	£ 2,572.40	£ 700.00	16	£ 112.00	£ 2,684.40	£ 45,232.17	7.8
Match this kWh to your properties electricity consumption															
Savings do not include energy inflation or 4% system losses, battery capacity is 80% at the end of 6,000 cycles. Require a detailed report with losses, contact us with your bill details															

The above is to provide you with an indication on savings for each system, the above is based on your property using 18% of its electricity during the hours of 12 and 7am, if your usage is different to this then please let us know so we can size the system accordingly.

For a detailed personalized saving report please complete a “Personalised Saving Report”

Personalised Saving Report

For a detailed personalized saving report please complete the following details, if you would like us to search and propose for the best tariff for you, then please leave the "Projected Electricity Consumption Details" blank, we will then strive to find you the best deal.

Client Details

Customer	
Address	
Town	
Post Code	
Tel.	
Mobile	
Email	

Current Electricity Consumption Details

Peak rate annual consumption	
Off peak annual consumption	
Peak Cost per kW	
Off Peak Cost per kW	
Daily Standing Charge	
Annual Total Cost	

Electricity Supplier Details

Supplier	
MPAN	
E7 Meter	
Tariff Name	
Single or 3 phase	

Projected Electricity Consumption Details

(leave blank if you want us to search for the best deal for you)

Peak Rate Consumption	
Off Peak Consumption	
Peak Rate	
Off Peak Rate	
Daily Standing Charge	
Annual Usage	

Current Heating Consumption Details

How is your home heated	
Fuel cost per kW	
Daily Standing Charge	
kW of heating	
Annual total cost	

Projected Heating Consumption Details

Type of Boiler	
Fuel cost per kW	
Daily Standing Charge	
Annual kWh of heating	
Annual total cost	

Property Details

Property Type	
Times of usage	

Solar PV Onsite Generation

Solar PV - kW Size	
Export % to be used for charging	
Yield	
Annual Solar Charging	

Distribution Board to battery Distance	
Pictures required of Distribution board and the area where the battery's are to be located	

Your Property has...

Add the kW rating of the device below if installed at your property

Air source (ASHP)	
Ground source (GSHP)	
Electric shower	
Swimming pool heating	
Electric car charger	
Air Conditioning	
Other high kW rated electrical equipment	



You can view our privacy policy at <https://www.StoreSave.co.uk/privacy-policy>

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