

THE SMART BATTERY STORAGE SYSTEM



Simple
Plug and Play



4.8 kWh
Lithium-ion Battery



Remote monitoring
from your devices



Off Grid Back-Up



Compact size
740 x 740 x 260 mm

Lower your energy costs - The PureStorage Energy Management System optimises PV solar consumption by automatically selecting the ideal energy mode - whether that be direct use of PV, storing excess PV energy in a battery, combining PV energy, battery storage and grid use - thereby lowering your overall energy consumption costs.

Protection against power cuts - The PureStorage Battery System can be configured to power critical circuits in the event of a power cut.

Highly reliable & efficient - Our system uses the safest 4.8 kwh lithium-ion phosphate battery technology available with a 10 year warranty. The performance of our battery system has been validated by major organisations, including: several housing associations, a major energy company, and other reputable partners, including Bromford Social Housing, Ecotricity and Edmundson Electrical,

Potential to earn additional income - Our system allows you to sell excess energy back to the grid by aggregating with the National Grid.

Remote monitoring - Our system can be monitored remotely by devices such as smart phones and tablets.



“Puredrive Energy are the battery brains of Britain. We have been working closely with them now for well over two years and we are so excited about the future. They have a great product and we’re glad to be partners with such a fantastic company and great people, I’m looking forward to a greener future together.”

Bradley Raphael - Manager



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Estimated benefits to a typical home owner

- Between 60% and 90% reduction in energy consumed from the grid
- 1.3 tonnes reduction per year in carbon emissions
- Protection against ever increasing energy prices
- Increased independence from the grid
- Continuous supply of electricity in the event of a power cut
- Potential to sell energy back to the grid in the future via aggregation services

“We are the first housing association in the South West to be working with an innovative energy company to save our tenants money. The installations have gone very smoothly and our initial findings have been very encouraging. We hope to roll the energy storage system out to a large number of our properties in the future”

Michael Craggs, Development & Asset Management Innovation Lead

Bromford.

About PureDrive Energy

Puredrive Energy is a British company and their founders have extensive domestic and international experience in designing, developing and deploying battery technology systems in the marine, leisure, industrial, mobile, and uninterrupted power system markets. Collectively, the Puredrive Energy team has over 30 years of industry experience, and has developed, manufactured and sold over 30,000 lithium-ion battery solutions. Puredrive's strategic partner and major shareholder is The Maximeyes Group, an award-winning UK energy consultant established in 2004, which helps residential and commercial clients secure the most suitable energy solution to meet their requirements.



Puredrive Energy Ltd, part of The Maximeyes Group

A member of our team is happy to speak with you about your needs and to address any questions you may have. Please contact us on the following to discuss your requirements:



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Outdoor installation in Tewkesbury

System: Solar PV Panels installed previously. PureStorage battery system added afterwards

Lisa, the house owner: "It's very satisfying to see the return on investment immediately through reduced monthly electric bills"

Oxfordshire Installation

Project lead by the installer, Oxford Solar PV, with all the components acquired from Edmunson Electrical

Johnny Wilson, the installer: "Puredrive storage solution is a great product that means energy storage is within reach of almost everyone, whatever your budget."



Bromford's Social Housing Tenant

System: 3kWp of Solar PV Panels and PureStorage Battery System

Helen Godwin, the tenant: "I've noticed a marked difference in the first week. I know I have saved £10 already, and have not had to top up my pre-pay meter"



'Fuel the Change – aiming to help lift 1000 homes out of fuel poverty by the end of 2020'

Almost 2.5 million people in our country suffer from an inability to heat their homes during winter. 9,000 people die every year because of fuel poverty. We launched our Fuel The Change initiative to help low income families. We believe that business value and social impact can go hand in hand and believe in using business as a force for good.



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Battery	
Capacity	4.8 kWh
Battery technology	LiFePo4 48v 100Ah
Battery Cycles	6000
Battery Management System	High/Low Voltage, Max Discharge, Cell Balancing
MAX Charge Voltage	58.4V
Discharge Cut Off Voltage	40V
MAX Charge Current	70A
Continuous discharge current	150A
MAX discharge current	200A (3 secs)
Operating Temperature (Discharging)	Minus 20-60 Degrees Celcius (Minus 4-149 Degrees Farenheit)
Inverter / Charger	
Rated Output Power	3000 / 5000 VA
Maximum output power (3 sec)	6000 VA
Maximum charge	35 / 75A
AC voltage/Frequency (input & output)	187 to 266 Vac / 50Hz, 45 to 60 Hz
Nominal AC output current	16A
Energy consumption priorities	(PV/Battery/Grid)
Max efficiency	95% inverter
Operating Mode	Smart grid / Back up / UPS/ On grid
Conditions of use	Humidity level: 0 to 90% without condensation T°C : -20 to + 50°C, degressive power >40°C (15W/°C)
Compliance	CE: EN 62109-2 / EN 62109-1 / EN 62040-1 / G83 / G100
Guarantee	10 years
General	
Access real time and historic data	Through Portal
Indoor / Outdoor	Outdoor rated as weather proof
Dimensions (w x h x d) mm	740 x 740 x 310
Weight	79 kg
Online monitoring portal	Yes
Free updates available & Remote optimisation	Yes



I initially chose Puredrive Energy as they were local, and because of their responsiveness. I therefore had it installed in April 2018 and have to say it's not only made great savings, but the monitoring software that comes with it, has changed the culture in my household to one of a sensible environmentally responsible one.

It's very satisfying to see the return on investment immediately through reduced monthly electric bills, from £430 per annum to £223. What a saving! Furthermore, it's nice to know that in the house, we are all doing our bit for the planet through sustainable energy usage."

Lisa, customer that has installed PureStorage Battery System at home



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