

**PUREDRIVE**  
ENERGY STORAGE

**PURESTORAGE-II AC 5/10KWH**



*PROTECT YOUR PLANET, PROPERTY AND  
POCKET*

**VIRTUAL POWERPLANT**

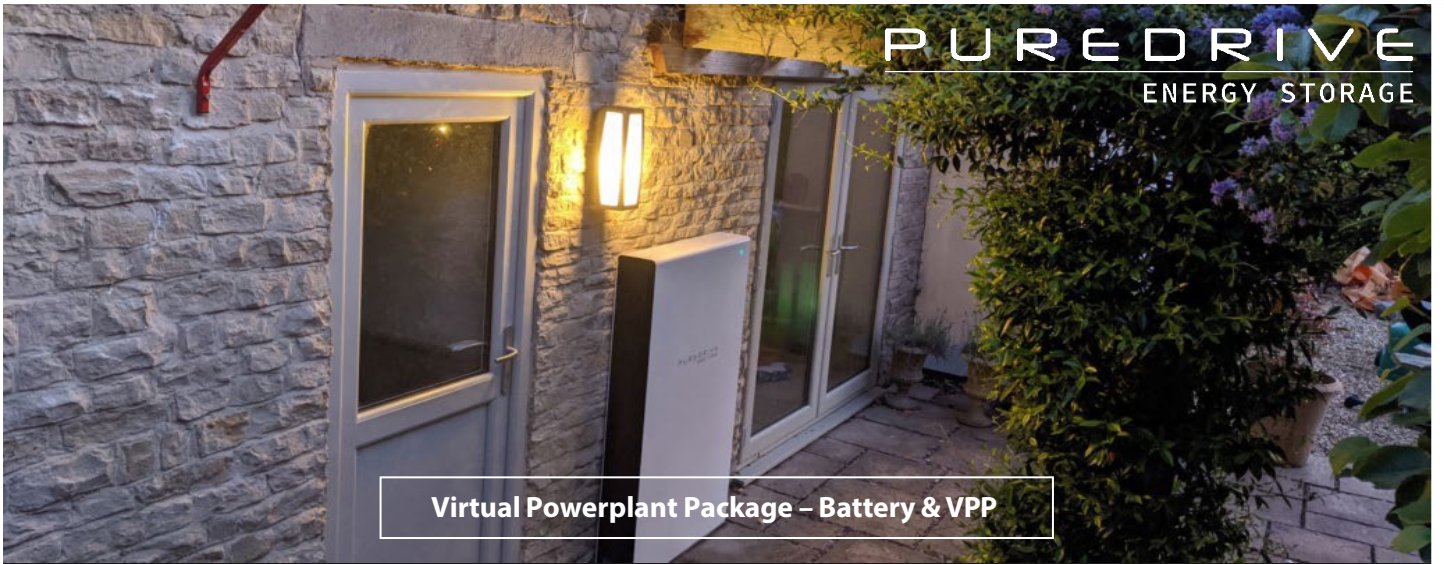
Reduce your bills further by  
optimising variable rate  
tariffs and grid services

**FUTURE PROOFED**

Market leading technology  
designed and manufactured  
in Britain

**BEST AC BATTERY**

'Best on the market' –  
Solar Guide comparison site



Virtual Powerplant Package – Battery & VPP

Reduce your bill up to 85%



Puredrive Energy's VPP card allows you to save additional money from grid services and variable rate tariffs.

Protect your home



Automatically protect your critical circuits in the event of a power cut within 20ms.

All in one attractive enclosure



Everything is included in one enclosure which can be installed indoors or outdoors.

Our APP is designed for you to remotely monitor your energy



Two sizes – 5kWh & 10kWh



## Future Proofed Technology

'BEST ON THE MARKET' - Solar Guide comparison site



AC connected battery system - all in one enclosure



Protects against power cuts! – seamless change over within 20ms



10,000 Cycles! – lasts 3 times longer than leading brands



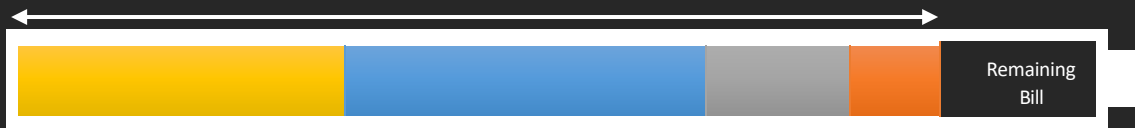
LiFePO4 chemistry – safest battery on the market



Weatherproof – can be installed indoors or outdoors



Made in Britain – Reduced carbon footprint Save up to 85%



### SOLAR ENERGY

Locally generate FREE Energy from the sun using your solar panels! A typical home will only absorb 30% of the energy you generate from the sun, the rest is sent back to the grid!

### PUREDRIVE STORAGE

Store your excess solar energy that is normally sent back to the grid and use it when the sun is no longer shining, allowing you to absorb 65% of the energy you generate from the sun.

### VARIABLE RATE TARIFFS

Energy suppliers are offering lower rate tariffs during the day and night. Our smart AI technology can automatically charge and discharge the battery to take advantage of the lower rates and avoid grid usage when the rates are higher.

### GRID SERVICES

The UK grid has busy and quiet times and the network operators incentivise usage during the quiet times, with lower off-peak costs. Our automatic intelligent gateway avoids peak network pricing to lower your bill.

**PUREDRIVE ENERGY – AC 5kWh & 10 kWh**

Puredrive Energy’s battery storage system is a fully integrated AC battery system for residential use. It’s a British product and uses the safest and highest performing lithium-iron-phosphate battery cells.

It provides energy storage for your home and includes a time-based control system.

Its elegant design and simple connection to the home enables the home owner to monitor remotely, and realise the benefits of reduced bill costs and cleans green power.



General		Inverter	
Access real time and historic data	Puredrive Portal	Rated output power AC 5 kWh AC 10 kWh	3000VA 3000/5000VA
Indoor/Outdoor	Both	Maximum outpower power (3 sec)	6000VA
Dimensions (w x h x d) mm: AC 5kWh AC 10kWh	550 x 1460 x 165 860 x 1460 x 165	Maximum charge	35/75A
Weight: AC 5 kWh AC 10 kWh	75 kg 129 kg	AC voltage/Frequency (i/p & o/p)	187 – 266Vac / 50Hz, 45 to 60Hz
Software updates	Free	Energy consumption priorities	PV/Battery/Grid
Ongoing technical support	Yes	Max efficiency	95% inverter
		Operating mode	Smart grid/back up/UPS/On grid
Capacity	5 kWh 10 kWh	Conditions of use	Humidity 0 – 90% Temperature -20°C to 60° C Degressive power> 40°C (15W/C)
Battery technology	LiFePO4 50V 200Ah	Compliance	CE, G98, G99, UN38.3, ROHS, MSDS EN-IEC 60335, EN-IEC 62109, EN 55014, EN-IEC 61000
Battery Cycles	10,000	Warranty	
Battery management system	High/low voltage Max discharge Cell balancing		
Max charge voltage	57V		
Discharge cut off voltage	46V		
Max charge current AC 5 kWh AC 10 kWh	100A 200A		
Continuous discharge current AC 5 kWh AC 10 kWh	100A 200A		
Max discharge current	350A (3 sec)		
Operating temperatures	Discharge: -10°C to 60°C Charge: -10°C to 55°C *		

\* During prolonged periods of sub-zero temperatures, may not operate below 0°C.



Call – 01386 577845  
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