

PureStorage 'Home Battery Storage' Solution

One elegant solution for your Homes Energy Battery Storage Needs

SIMPLE PLUG and PLAY

SMART GRID

4.8kWh LITHIUM
BATTERY

3kVA DISCHARGE

OFF GRID BACK-UP

REMOTE MONITROING
FROM YOUR DEVICES



PureStorage
4.8 kWh single phase



Take Control of Your Energy

Puredrive's AC connected battery storage system, brings the latest and most reliable technology to the market. An all in one solution for use in your home, aimed at increasing self-absorption of your PV solar panels. Usually only 30% of energy generated from PV is absorbed by the home, the rest being wasted to the grid. PureStorage is designed to store this excess PV energy, ready to be used when the demand is higher than the PV energy, or in the evening when the PV is off, increasing self-consumption up to 85%.

Smart & Elegant Tech

PureStorage Home battery system eliminates the need for additional componentry, such as chargers, inverters, and interfacing systems. It's energy Management System optimizes PV solar yields, by automatically selecting the ideal energy mode, including; direct use of PV, storing additional PV energy, combining PV Energy, Battery Storage and grid use. Its capability to communicate to external systems enables real time analysis of the systems via your smart devices, including mobile phone.

Highest Performance

PureStorage Lithium Iron Phosphate battery cells are the safest Lithium technology available, and has the highest cycle life. With proven performance in Social Housing it has been credited as a leader in the battery storage market. In a smart grid topology, it is capable of aggregating with the national grid and delivering DSR services generating additional revenue, and supporting grid performance. Puredrive Energy is a British Company with years of experience in the Battery storage technology.

Available At Edmundson (Rugby) – The largest wholesaler in the world.

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Take Control of Your Energy Costs



Technical Specification

| Battery | |
|--|--|
| Capacity | 4.8 kW |
| 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 VA |
| Maximum output power (3 sec) | 6000 VA |
| Maximum charge | Charge 35 A |
| 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% w 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 |

