

PURE STORAGE CM:

Puredrive Energy Ltd

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Puredrive Energy Ltd

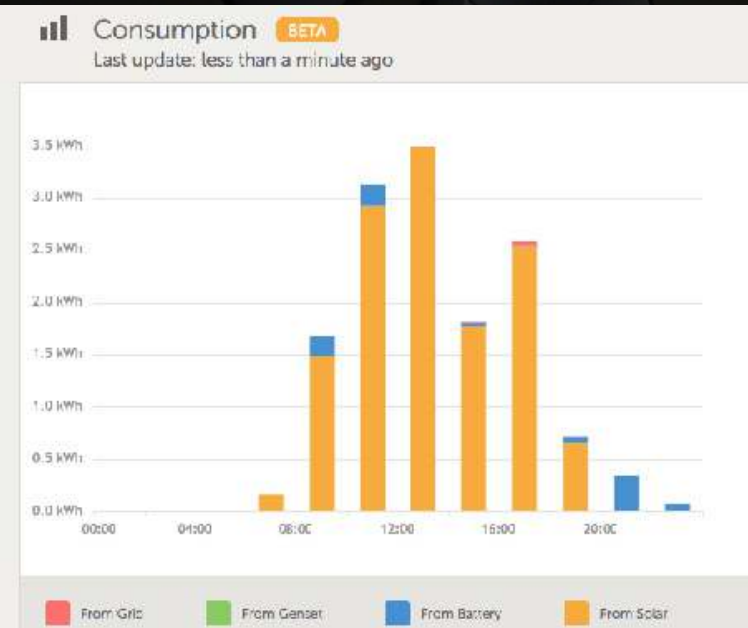
For the past 10 years the Puredrive family of businesses have been developing, building and selling the very latest in battery technology to both commercial and residential customers. Their expertise lies in the field of battery development and energy storage for a plethora of different uses.

Over the past 5 years Puredrive have been focusing on designing durable, robust and high performing Lithium Battery technologies which meet the specific requirements of the UK market place. With the design and delivery of specialised systems into the Leisure, Sports, Transportation, and Residential market places.

Combining its battery expertise, with its long-standing market knowledge. Puredrive Energy Ltd has been able to deliver for the UK market a highly featured and robust modular commercial storage system that integrates simply onto any business electrical system (Three Phase and Single Phase). It also can connect directly onto "any" standard Solar PV system.

The "Pure Storage CM" modular commercial energy storage system is a simple to install, multi-environment product that delivers the following main benefits:

- *Maximises self-consumption from your Solar PV system*
- *Gains significant cost savings through higher self-consumption*
- *Simple modular system builds to meet specific business requirement*
- *Single "box" design scaled to actual application*
- *Indoor or outdoor installation*
- *High performance utilising the very latest Lithium-Po4 battery technology*
- *Low maintenance and secure plug and play*
- *Remote Monitoring & Communications*
- *High quality and reliable British made and supported system*



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Pure Storage CM

The Pure Storage CM modular commercial energy storage system is built around Puredrive Energy's tried and tested Lithium battery technology. It has been designed (as a single box) to sit in all commercial environments both inside and out. Connecting directly onto a business's internal electrical wiring distribution system and Solar PV system.

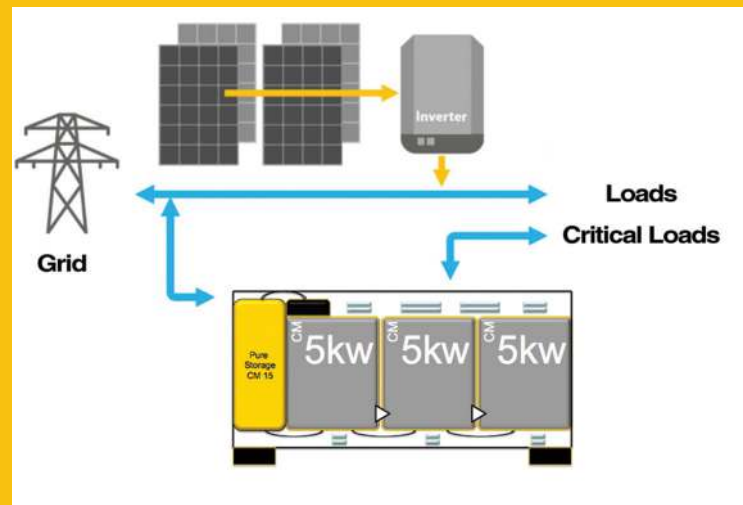
The Pure Storage CM commercial energy storage system has been designed to deliver a modular approach to each individual business requirement. Specifically designed to deliver a tailored system that is ideal for maximising and improving the use of self-generated power within an existing business. Typically from 10Kwh to 30Kwh.

The Pure Storage CM batteries store spare solar energy and act as an "assist" system. The modularity of the system enables you to build a configuration that directly meets the need of your usage and generation patterns. Reducing cost and potentially, physical size of the system. Working with the Pure Storage CM smart online portal, helping you to manage your energy needs and costs.

The Technology

Pure Storage CM stores excess PV energy during the day using a LiFePo4 battery. This allows you to increase your utilisation of generated power from 30% to around 85% powering your building from the battery during the evening and through the night until the sun rises. Reducing the need to import energy from the grid.

The Pure Storage CM system can be built to utilize 10Kwh, 15kwh, 20kwh, 25kwh and 30kwh sized batteries, and can achieve even larger system sizes with the Pure Storage 'Bespoke' build. The system provides 6000 cycles enabling a minimum of 15 years life span on the batteries.



Another key feature of the system is its capability to handle power critical loads during grid failures. The Pure Storage critical load UPS function will continue to power your critical loads from the battery even in the event of a grid power failure.

The system can be wired and configured to assist with energy reduction within a building. With the ever increasing use of DC powered products Pure Storage can be integrated to power both AC loads and also DC loads at the same time. Items running in DC traditionally take up a lot less power and so can reduce overall electricity loads. If such appliances are used.

Pure Storage CM also has the ability to charge up its batteries off low cost energy at key times of the day. An example of which is the use of the 'Night Rate' tariff during the night time period, this enable's the batteries to recharge at low cost for the morning.



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Pure Storage CM

System	CM10	CM15	CM20	CM25	CM30
Battery Size	9.6	14.4	19.2	28.8	33.6
Cycles	6000	6000	6000	6000	6000
Warranty	10 Years	10 Years	10 Years	10 Years	10 Years
SMART	YES	YES	YES	YES	YES
Box Size (cm) WxHxD	100, 80, 32	100, 80, 32	200, 80, 40	200, 80, 40	350, 80, 45
Weight	160kg	240kg	370kg	400kg	520kg

The system runs automatically, and uses excess energy harvested during the day to fill the gaps when there is not enough PV power available. Typically in the evening and at night. System configuration, usage and performance can be easily tracked using the Online monitoring portal.

The benefits of energy storage spans power generation, transmission and distribution – i.e. from the PV generation all the way to the end user and grid connection.



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