



StorTower

intelligent
energy storage
systems



Residential



Commercial & Industrial



Off-Grid & Telecoms





StorTower

intelligent energy storage

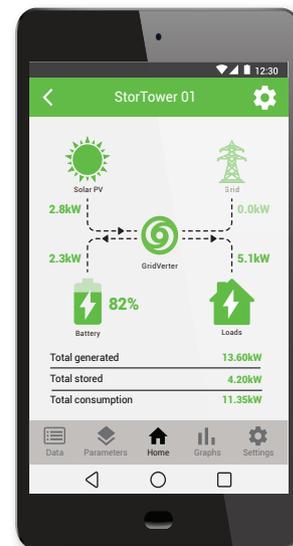
The StorTower is a highly versatile energy storage system which combines our intelligent hybrid inverter technology, TRAICON control system and ultra-safe lithium ferrous phosphate (LFP) battery modules in a weatherproof enclosure designed to meet the demands of both commercial and residential users.

Energy storage capacity is scalable in 2.5kWh increments up to a maximum of 200kWh with multiple StorTowers. A range of power output options are available depending on individual installation requirements.

TRAICON

monitoring & control

TRAICON is the brains of StorTower intelligent energy storage systems. It is an android-based Tri-layer AI control and monitoring platform. The controller learns local energy usage and storage patterns and uses cloud based machine learning to integrate weather forecasting and other available APIs allowing networked synchronisation of multiple systems and continually optimised energy performance.



24hr self-consumption

StorTower systems feature a suite of intelligent control options to ensure optimal use of renewable energy whether the sun is shining or not.

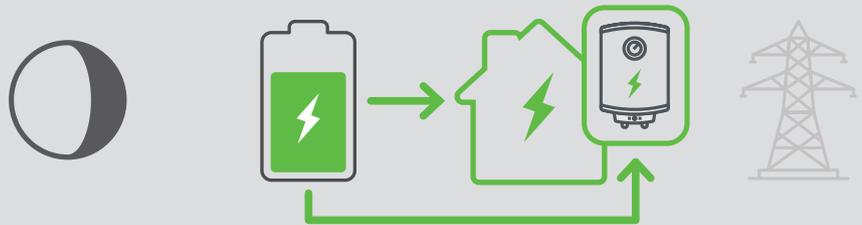
Charge batteries and power loads directly with solar energy throughout the day



Automatic diversion of solar energy to priority loads when batteries are full, avoiding export



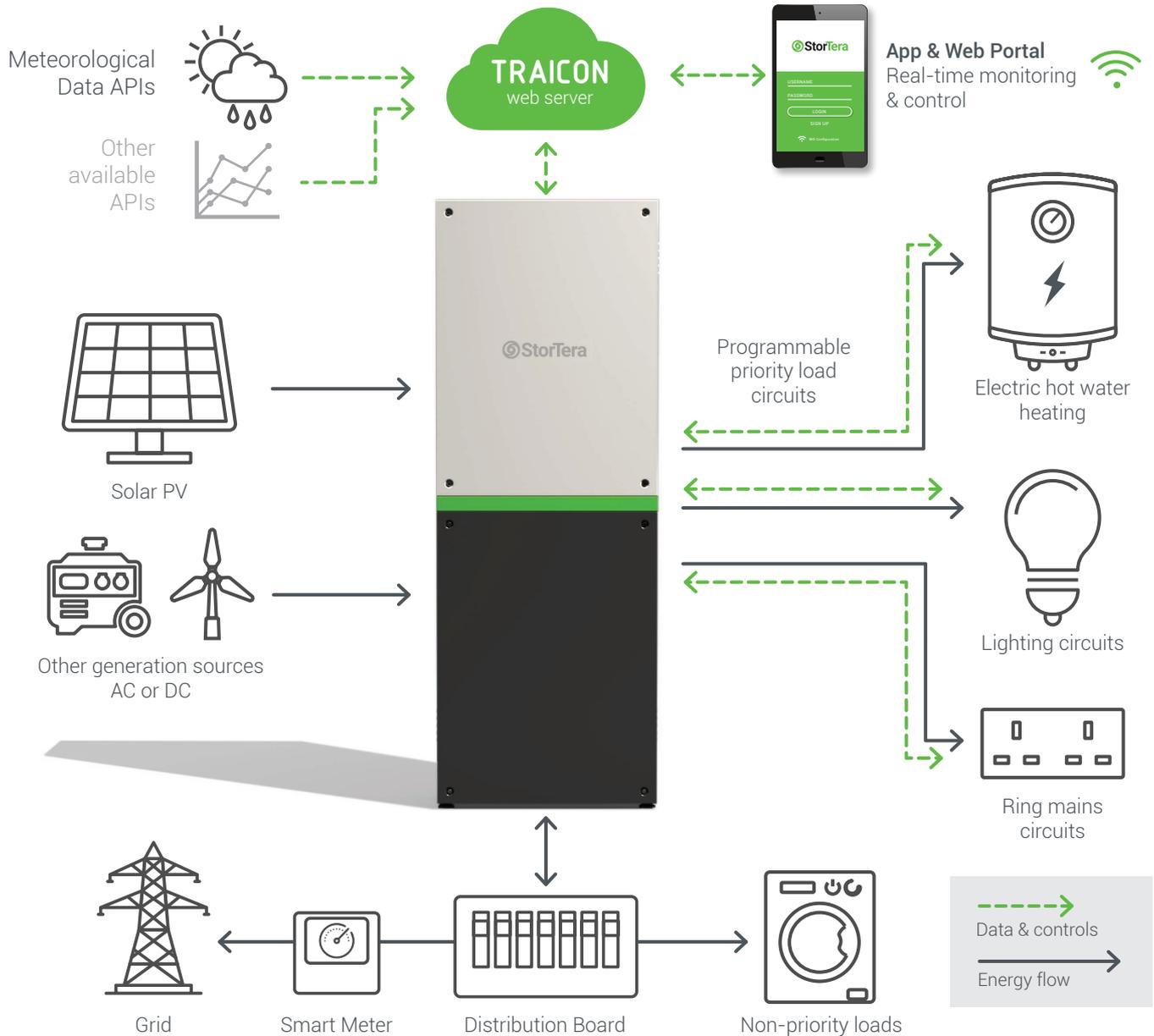
Use stored solar energy to power all loads at night or during grid outages



Charge batteries at night with off-peak energy



All-in-one energy storage & control



Technical specifications

power

1.5 to 50 kW

energy

2.5 to 200 kWh



Integrated hybrid inverters

All StarTower systems include our intelligent hybrid inverter technology and use the Modbus RTU communication protocol for seamless integration with 3rd party aggregation platforms.

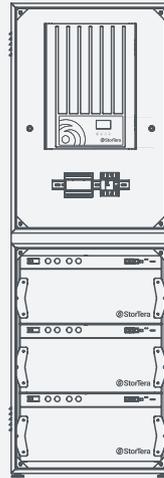
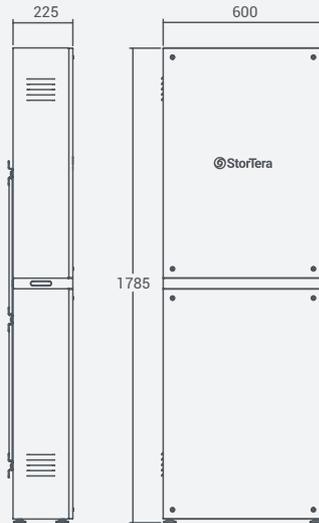
In the event of a grid failure, millisecond switching times and ATS functionality mean computers and other electronic equipment will continue to operate without disruption using battery or generator power.

LFP battery modules

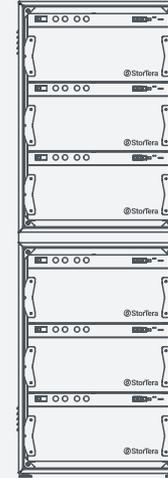
LFP technology is the safest of all the common lithium battery types. Our LFP batteries have no cooling requirements, extremely low self-discharge rates and are virtually incombustible due to the chemical stability of their iron phosphate cathode.

Whilst actual cycle lifetimes are dependant on DOD, usage & temperature we guarantee 10,000+ cycles @ 75% DOD, 6000+ cycles @85% DOD.

Configuration options



up to
7.5 kWh
per Tower



up to
15 kWh
per Tower

hybrid inverter + storage

all storage

CAPACITY

hybrid inverter + storage
up to 7.5 kWh per Tower

all storage
up to 15 kWh per Tower

Multiple StorTowers can be combined to give a total capacity of up to 200kWh per installation as standard.

POWER OPTIONS

off-grid: 1.5kW / 3kW / 5kW
on-grid: 2kW / 3.68kW (UK G98)
5kW / 10kW (UK G99)

Maximum power output of up to 50kW per installation (3-phase) is possible as standard. AC or DC coupled.

ENVIRONMENTAL

indoor or outdoor - IP66 rated
ground mounted or wall hung
operating temperature -5 to +45°C¹

DIMENSIONS

1785 x 600 x 225mm (H x W x D)

TOWER PHYSICAL

fully galvanised steel
epoxy-polyester powder coated finish

WARRANTY

10 years² - batteries, inverter and Tower



We reserve the right to make technical changes and updates without prior notice. Specific values, performance data and other information in this brochure and other product information, including illustrations and drawings in these documents, are solely illustrative and are subject to ongoing revision and modification. We do not warrant the accuracy or completeness of any information in these documents unless otherwise explicitly stated.

¹ Power de-rating above 40°C and approx. 1% every 100m when altitude is over 1000m

²Detailed warranty documents are available on request - please contact sales@stortera.co.uk



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