GivEnergy Commercial

Datasheet

Our small to medium enterprise (SME) systems are designed for installation in domestic, commercial or industrial applications.

An ideal solution for those who need more storage capacity and power, whether at a large home, office or even small industrial environment.

Utilising Lithium Iron Phosphate our batteries are extremely safe and can be installed in a wide range of locations. The battery chemistry does not contain any Cobalt, making it non-flammable and the battery pack is 99% recyclable.

Expandable

Each battery cabinet contains 64kWh of batteries, with the addition of DC cabinet up to 4 units can be installed together offering up to 256kWh of storage.

High power

Coupled with our 30, 50 or 100kW PCS the system can provide power to the whole site.

Easy to install

Built in bus bar system allows batteries to simply slide into place requiring no additional DC or data connections

10 Year warranty

Supplied with a full manufacturers warranty. Our UK based support team are on hand to help you should any issues arise.

SME Battery Cabinet

64kWh CABINET

Dimensions *W x D X H*	600 x 800 x 2050mm
Weight *kg – (Without batteries)*	200
User interface	Emergency Stop Operation and fault lights
Connections	Laptop socket
Advantages	Expandable, 1 to 4 with DC cabinet Bus bar system for easy installation Built in UPS for control systems[1]

HIGH VOLTAGE BOX

Dimensions *W x D X H*	452 x 664 x 134mm
Weight *kg*	40
Nominal voltage DC	691.2V
Voltage range DC	600 – 800V
Safety	Robust Multi Point Monitoring BMS On/Off button & DC MCB
Connections	AC Supply DC Output PCS / DC Cabinet data Meter data[1]
Communication protocol	CAN bus

7.6kWh BATTERY

Dimensions *W x D X H*	452 x 664 x 134mm
Weight *kg*	72
IP grade	IP20
Nominal voltage DC	76.8V
Voltage range DC	68 – 87V
Chemistry	$LiFePO_4$
Rated capacity	100Ah
Nominal capacity @25°C	7.68kWh
Depth of discharge	80%
Operating temperature	0°C – 55°C[2]
Connections	Bus bar connector on rear
Safety	Robust Multi Point Monitoring BMS
Communication Protocol	CAN bus
Warranty Standard	10 years OR 10MWh per kWh throughput

[1] Not required for multiple battery rack systems
[2] Usable capacity reduction at lower and higher temperatures