

Next Generation Home Battery Solution

- Reduced energy costs up to 80%+
- Safe, no fire risk battery technology
- Rated for external and internal installation
- Power cut battery back up
- 100% efficient
- No end user operation required
- Remote monitored 24/7 by Kight
- Full managed energy as a service

Kight are providers
of innovative Home
Battery Technology.



The PowerHub is a first of its kind next generation technology co designed with social housing and aimed at simplifying energy management.

Using low-cost off-peak electricity, or from renewable sources, such as solar panels, wind turbines this lower cost energy is stored and is available for use during peak cost periods.

Unique advantages, market firsts

- No risk of thermal runaway, fire or explosion
- Backed by leading UK insurance companies
- 20,000 cycles and/or a 25 year warranty
- No cooling or heating is required - low noise
- Operates externally, wide temperate range.

Reliable and constant power

The PowerHub can deliver electricity without concern over how you use your white goods and even during a mains grid power cut.

EnergiFlow™ management platform

Enables landlords to have a complete digital view of all housing stock, EPC, Fuel Poverty, Smart Meters and its **AI engine** optimises a tenant's home identifying the best retail tariff and charge/export cycle to reduce energy costs up to 80%+.

24/7 monitoring

The PowerHub is remotely monitored by Kight over a cellular 4G Network ensuring a secure monitoring and issues are resolved quickly and seamlessly.

Secure installation

Installation of the cabinets and PowerHubs will be carried out by a Kight approved installer. Once installed, the PowerHub is housed in a robust steel cabinet that ensures the safety and security of the equipment.

PowerHub specification

Nominal parameters

Rated charge voltage	58.8V
State of health	Digital continuously optimised
Energy (Invertor)	10 kWh
Voltage rating	35.7V - 58.8V
Weight	140kgs
Battery chemistry	Non-Graphite battery technology
Battery combination	126 cells total
Expected lifetime	27.4 years
Life cycles	20,000 charge discharge cycles
Operating temperature	-30°C to +55°C
Battery standard	N6100-6-1:2007, EN IEC 6100-6-1:2019, EN61000-6-3:2007/A1:2011, ENIEC 6100-63:2021, IEC62619, UN383, ROHS, CE-EMC
Nominal discharge current	60A
Rated allowable maximum discharge current	280A
Usable energy	9.9 kWh
Max charging and discharge current	280A
Recommended charging current	120A
Recommended depth of discharge	95%
Allowable maximum discharge current	300A 1min

Installation cabinet

General installation arrangement	Dedicated free-standing stainless-steel cabinet on concrete base
Cabinet dimensions (W x H x D)	900mm x 800mm x 185mm
Cabinet rating	IP67
Installer	Kight appointed MCS certified and NAPIT accredited

Monitoring

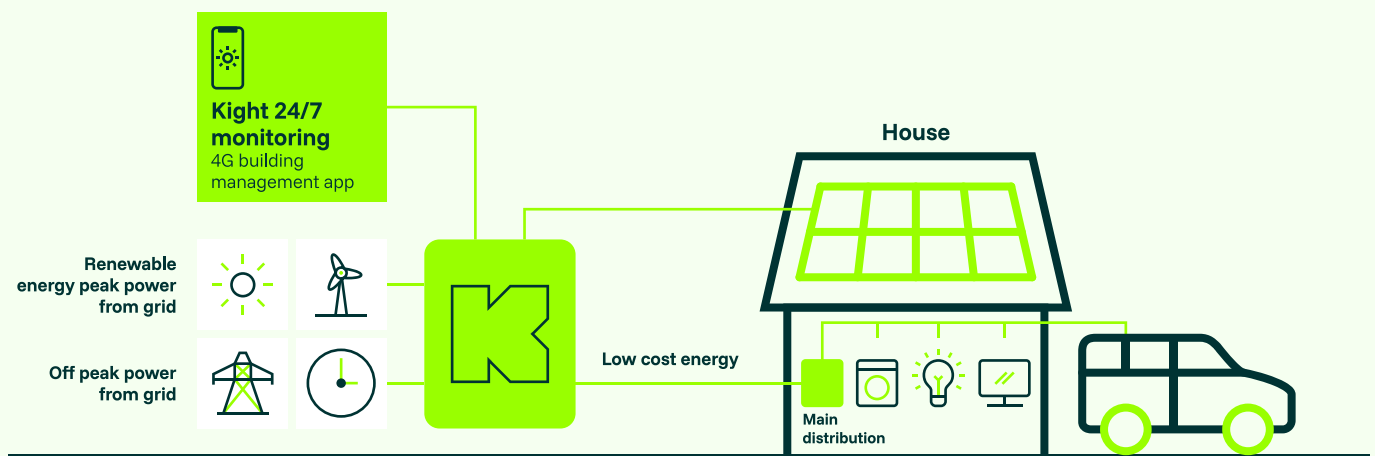
Kight monitoring	Remotely monitored 24/7 by Kight
Management app	Management app and mobile for Android and Apple devices
Communications	Independent 4G Network

Warranty

Battery warranty period	20,000 cycles and/or a 25 year warranty
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Compliance

Standard and certification	MCS, IK10, ISO 9001, UN38.3, CE, IEC 61000-6-1, IEC 61000-6-3, IEC 62109-2, IEC 62109-1
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**Kight
PowerHub**



Specification subject to change and updates