

# Power-Hub H1 Description

## Power-Hub H1 – All-Terrain Edition

### Unstoppable Power, Built for Any Terrain

The Power-Hub H1 All-Terrain Edition is designed for professionals who need reliable, high-performance power in the toughest environments. Delivering 5,000W continuous power and 10,000W peak output, this rugged mobile power generator is built to handle demanding applications in construction, off-grid sites, and industrial settings.

Equipped with an optional All-Terrain Frame featuring 8-inch heavy-duty wheels, the H1 is built for superior mobility over rough surfaces, ensuring effortless transport across job sites, gravel, mud, and uneven terrain. No matter where the work takes you, the H1 moves with you.

### Built for Performance & Endurance

With an 11,800Wh LiFePO4 battery, the Power-Hub H1 provides long-lasting, safe, and efficient energy storage. It ensures a stable 230V power supply to keep your tools and equipment running without interruption. For UK construction sites, simply connect a 110V transformer to meet site-specific requirements.

### Fast & Flexible Charging – Full Charge in Just 4 Hours

The H1 supports 230V AC charging, enabling a full recharge in just 4-5 hours with single-phase charging. This minimises downtime, keeping your equipment powered and ready for action.

### Why Choose the All-Terrain Power-Hub H1?

- ✓ Heavy-Duty 8-Inch Wheels – Navigate rugged job sites with ease
- ✓ 5,000W Continuous / 10,000W Peak Output – Power demanding tools & equipment
- ✓ LiFePO4 Battery (11,800Wh) – Safe, long-lasting, and reliable power
- ✓ Fast 4-Hour Charging – Minimal downtime for maximum productivity
- ✓ 230V & 110V Compatibility – Versatile for various industry needs

Take power anywhere with confidence—the Power-Hub H1 All-Terrain Edition is built to go beyond limits.

### Key Benefits

1. **Portable Power Solution:** Weighing under 200 kg, the Power-Hub H1 is built for easy transport with sturdy **interchangeable 6-inch wheels** and lifting handles, making it perfect for on-the-go applications.

2. **High Power Output:** Delivers 5kW of continuous power, suitable for running essential tools and equipment throughout the day.
3. **Durable and Reliable:** Engineered for industrial use, providing a steady 230V power supply for demanding applications like construction and film production.
4. **Rapid Recharge Time:** Fully recharges in approximately 4 hours via **230V AC charging**, ensuring minimal downtime.
5. **Flexible Charging Options:** Features **230V AC charging** compatibility and an integrated solar charging socket for added flexibility.
6. **Ultra-Quiet Operation:** Operates at noise levels below 60 dB(A), minimising disruption, especially on noise-sensitive film sets.
7. **All-Terrain Frame (Optional):** Available as an additional purchase, featuring **8-inch wheels** for extra durability and versatility in challenging environments.

## Key Features

1. **Battery Capacity:** Powered by a **LiFePO4** battery with a capacity of **11,800Wh**, designed for long life and superior safety.
2. **On-Screen Control Panel:** Provides clear and easy-to-read monitoring of power usage, making it simple to manage your energy needs.
3. **Adaptable Design:** With **interchangeable 6-inch wheels** and lifting handles, it ensures effortless portability across various work environments.
4. **Industrial-Grade Build:** Designed for heavy-duty use in rugged environments, delivering reliable performance where 230V power is essential.
5. **Solar and Grid Hybrid Charger:** Multi-functional inverter system that supports both grid and solar charging, offering flexibility and efficiency.

## Applications

- **Emergency Power:** For homes, offices, motorhomes, cabins, pumping systems, construction sites, film sets, and more.
- **Work Productivity:** Operates power tools such as drills, saws, lighting, cameras, belt sanders, circular saws, etc.
- **Flexible Use:** Powers any electrical products or systems with power requirements below 5,000W.

**Safety Note:** The **LiFePO4 battery** is known for its superior safety compared to traditional lithium-ion batteries, as it is less prone to overheating or catching fire.

## What You Can Accomplish on a Single Charge on the Power-Hub H1

- **Rotary Hammer Drill (1400W)** - Able to run for approximately **8.43 hours**.
- **Cut-Off Saw (2700W)** - Capable of running for **4.37 hours**.
- **Recip Saw Heavy Duty (1010W)** - Continuous usage for over **11.7 hours**.
- **Breaker (2200W) Hilti TE 500** - Continuous usage for over **5.3 hours**.

## Top 10 Common Industrial Tools (110V) UK

specific sales data can vary based on market trends and regional preferences

Tool	Wattage (W)	Duration (hours)
Bosch GBH 2-26 Rotary Hammer Drill	800W	14.75 hours
Makita HR2470 Rotary Hammer Drill 7	80W	15.13 hours
Hilti TE 500 Breaker	2200W	5.36 hours
Makita HR2630 Rotary Hammer Drill	800W	14.75 hours
Bosch GWS 2200 Angle Grinder	2200W	5.36 hours
Metabo KHE 2444 Rotary Hammer	800W	14.75 hours
Dewalt DCH253P2 18V SDS Plus Hammer Drill	800W	14.75 hours
Hitachi H65SB3 Breaker	1250W	9.44 hours
110V LED Tower Light 360° 600W IP65	600W	16.67 hours
DeWalt DCL050 Corded LED Work Light	250W	47 hours

please note:- the duration shown is for continuous use without stopping for break! ☺

## Top 5 Common Construction Lighting (110V) UK

Tool	Wattage (W)	Duration (hours)
1. Draper 110V SMD LED Tripod Site Light, 2 x 50W	100 W	118 hours
2. Wessex LED Twin Tripod Work Light	40 W	295 hours
3. Defender 110V LED Contractors Floor Light IP44	20W	590 hours
4. Festoon Kit 10 Way 22m	50 W	236 hours
5. Faithfull Centaur Heavy-Duty LED Site Light	200W	59 hours

## Top 10 Common Film Equipment Powered by Power-Hub H1

Tool/Equipment	Wattage (W)	Duration (H1)
1. Aputure 600D PRO LED Light	600W	19.67 hours
2. Arri M18 Light	1800W	6.56 hours
3. Aputure 1200D PRO LED Light	1200W	9.83 hours
4. Red Epic-W 8K Camera	80W	147.5 hours
5. Sound System (Mixing desk)	1000W	11.8 hours
6. Cineo HSX-100 LED Light	1000W	11.8 hours
7. Teradek Bolt 3000 Video Transmitter	60W	196.67 hours
8. Camera Crane (1,800W)	1800W	6.56 hours
9. Haze Machine (1,500W)	1500W	7.87 hours
10. Vocas 15mm Follow Focus System	50W	236 hours