

Power-Hub H1 Description

Reliable Power, Wherever You Need It

The **Power-Hub H1** is a mobile power generator designed to deliver **5,000W continuous power** with a **peak output of 10,000W**. It features advanced hybrid charging and battery storage systems, making it the ideal portable solution for demanding applications, whether on construction sites, film sets, or off-grid locations. With a battery capacity of **11,800Wh**, the H1 is built to meet the high-power demands of a wide range of industries.

Designed with industrial-grade power and mobility, the H1 is mounted on sturdy **interchangeable 6-inch wheels** for easy transport. It provides reliable, uninterrupted power, powered by a **LiFePO4 battery** that ensures long-lasting, safe energy storage and efficient power supply. The **Power-Hub H1** is the go-to solution for professionals needing a reliable 230V power supply on the move. **Simply connect a 110V transformer for UK construction sites** to adapt the unit for specific site requirements. An **All-Terrain Frame** is available as an optional purchase, offering even more versatility for rugged environments.

Flexible Charging Options – Full Charge in Just 4 Hours with Single 230V Charging!

The **Power-Hub H1** supports **230V AC charging**, making it the ideal solution for industries relying on 230V power. With a single charging option, the unit achieves a full charge in approximately **4-5 hours**. This ensures minimal downtime, keeping your equipment powered and ready to go.

Why Choose Power-Hub H1?

Whether you're working in construction, on film sets, or in remote locations, the **Power-Hub H1** is engineered for **dependable, high-performance power** in industrial environments. It is a **mobile power generator** that ensures **continuous energy supply** for your tools and equipment, helping you stay productive no matter where you are.

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	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