hydrogen power

PP150W Outdoor

Processor controlled fuel cell battery charger

Unique metal-plastic-hybrid PEM fuel cell design with integrated solar panel input

- 150 W fuel cell constant charging power (3600 Wh/d)
- 400 W solar panel input charging power
- Air-cooled, rigid construction for portable use
- Advanced protection system with single cell measurement
- Sheet steel housing with high protection category and corrosion resistance
- Temperature range -25°C to +40°C (-13°F to +104°F)

PP150W Outdoor

- Protection category IP 54 standard to EN 60 529/09.2000
- Aluminium-zinc coating and powdercoated for a high level of corrosion protection
- Foamed-in silicone seal, water-impermeable, with high resistance to temperature and chemicals
- Wall mounting or pole clamp
- Dimensions: h: 400 mm, w: 400mm, d: 250mm

Founded 1948, our company is producing complex metal-plastic-parts in high quantities. The used punching- and injection-moulding-tools are designed and build in our own R&D Center.

In 2003 the company started to develop electrode plates for PEM fuel cells using their patented and production tested process. The production of the electrode plates as a metal-plastic-hybrid provides the possibility for efficient and automated production in reproducible high quality, using punching- and injection moulding tools. Metal provides better conduction of electric current and guarantees a sufficient removal of the process heat from the inside of the fuel cell to the integrated cooling surfaces.

It allows easy designed air-cooled stacks with an excellent power output per volume or weight.

The HP bipolar plate offers a unique, patented hybrid metal-plastic design, and is used in the newest HP compact battery charger PP150W with 150 W fuel cell charging power (3600 Wh/d). The integrated solar panel input can handle 400 W solar power. Insufficient solar power is automatically compensated by a fuel cell backup to enhance its efficiency. The system will protect the battery against damages caused by undervoltage. Performance and reliability are optimized due to our advanced protection system including single cell measurement.

Hüttenberger Produktionstechnik

Am Wingert 12 * 35428 Langgöns * Germany
Phone:+49 6403 5012 * Fax:+49 6403 74998
www.huettenberger-produktionstechnik.de

HESSEN

This project was supported within the scope of the innovation promotion programm of the federal state of Hessen, co-financed by the European Union (European Social Fund - ESF).

European Union
European Social Fund