



### Main technical characteristics

Characteristic	iPwr Hub
Device compatibility	BCM2711, Quad core ARM Cortex-A27
Server communication	VPN connection automatically established by the device
Physical communication	2 x USB A 3.0 2 x USB A 2.0 1 x RJ45 Ethernet 1 x P1 Port Reader (RJ12)
Software-level communication	OCPP 1.X Modbus TCP REST API Multiple transactional platforms API Possibility of adding Websockets or MQTT
Solution templates	Charging point, energy measurements, heatpumps batteries, inverters, chargers . . .
Power supply	5V DC via USB-C connector (minimum 3A)
Power consumption	3-10W
Casing	Custom casing
Dimensions	H 28,5 x W 130 x D 24mm
Enclosure material	Certified Recycled PS

## Integrating Energy Management with Market Access and Streamlined Control

The iPwr Hub is an advanced energy management system, crafted for seamless integration with a wide range of energy assets.

Together with user-friendly iPwr P1 and App, the iPwr System monitors and controls energy usage for superior efficiency but also offers a multitude of energy services, such as Dynamic Tariff and Energy Planning mode.

Easy to install and compatible with various hardware brands. It supports multiple assets and platform protocols, facilitating smooth integration with electric vehicle charging stations and other energy assets. The iPwr Hub is brand-independent and designed to work with all major hardware brands; if a specific brand is not yet supported, it can be added on upon request.

## Architecture Overview

