

INFORMATION SHEET

FPC 10/10

FPC 20/20



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FPC 10/10 OR FPC 20/20

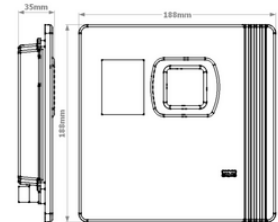
INFORMATION

The Front Panel Charge Controller with 4 stage temperature compensated PWM charging for Lead Acid (PB) batteries. Additionally, Lithium Iron Phosphate (LFP) battery settings, with outstanding options for long battery life and battery protection. Leading to best LFP battery lifetime using the single cell monitoring and controlling with integrated battery management system (BMS) functions.



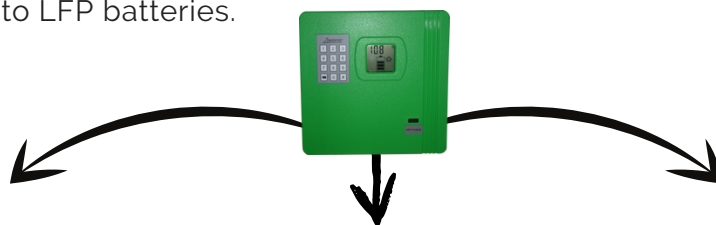
EMBEDDED CONCEPT

The front panel case allows to be easily integrated into battery boxes without end-user access to wiring, for safe and reliable system operation. With compact design of 188*188*35mm.

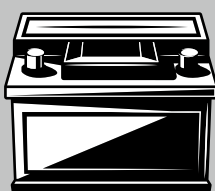


FLEXIBLE HARDWARE PLATFORM

Flexible use for different battery types with software updates only. Support migration strategies from PB to LFP batteries.

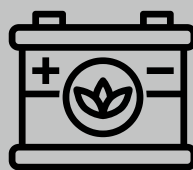


Application 1:



Lead Acid (PB)
(GEL, AGM, Flooded)

Application 2:



LFP Battery
+ and - connection
(Lead Acid replacement)

Application 3:



LFP Battery
+ and - and single cell
sensing wire connection

FIELD SERVICE &

PAYGO



SUPPORT CONCEPT

The clear and easy to read system status LCD-display informs the user about the latest system status. The advanced LCD provides error messages if anything happens wrong.

In a **first do-it-yourself service level**. Then end-user is able to resolve the issue themselves, in combination with the systems manual.

As a **second support level** the end-user can contact their system operator in combination with the Error messages. So that they can either support remotely or choose the right tooling for field support.

INTEGRATED PAYGO (OPTION)

The integrated PayGo is based on the Open PayGo Technology and is for example available on Paygee, Luzhy or Paygops (for custom requirements please contact via mail) provides a PAYG controlled Load Switch.



The integrated keypad in combination with big LCD display allows easy Token application for the end-user and the screen provide clear information about Payment status and Error messages.

The pay-as-you-go integration enables new business models, such as rent-to-own, rent, leasing or energy as a service.

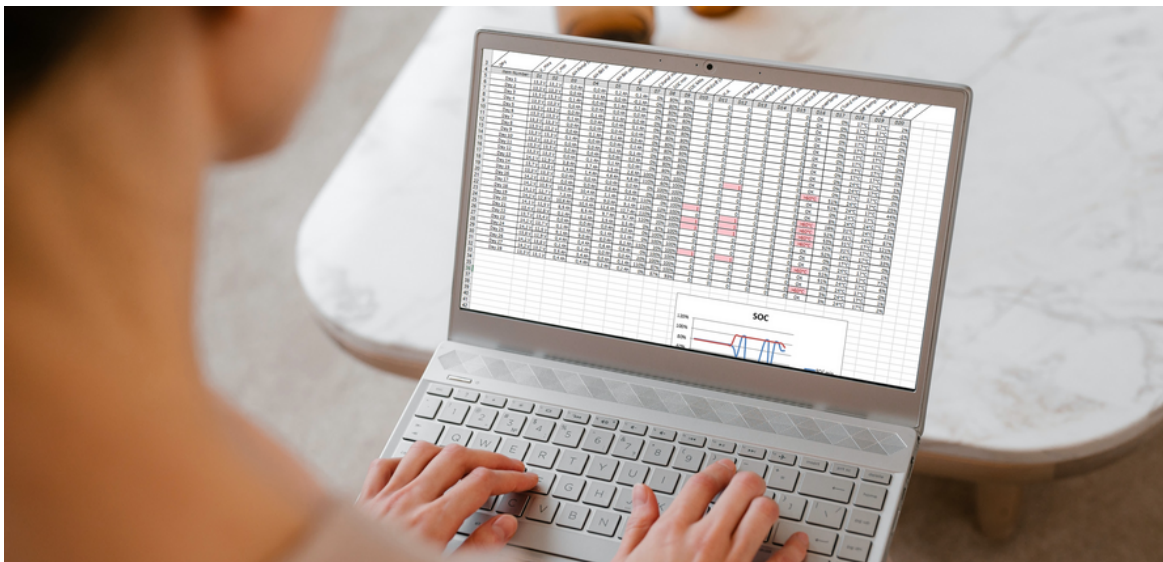
Paygee
The PayAsYouGo Ecosystem

PaygOps
Last-Mile Management System

1 YEAR DATA LOGGER

& DATA EXTRACTION

The integrated one-year datalogger can support analyzing the systems in the field applications. Monitor consumptions, harvests and help to detect system application problems and system use of the end-user.



It is possible to easily download the systems data and convert it to an excel file for deeper analysis. Within the excel file several categories are included:

- **SoS Values:** summary of values for basic system performance and use,
- **Day Values:** overview about detailed data within the last 28 days,
- **Month Values:** overview about monthly key figures of the last 12 month,

The data extraction is plug and play with a Zimpertec specific software and the build in UART interface.



FINAL REMARKS

THANK YOU!

For more technical details please take a look at the current technical data sheet.

In case further support needed, please contact your sales representative or reach out via our website!

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