



akkuNETZ local

the local xPack100 Standard Battery Ecosystem

CONSTIN

design + innovation



Berlin, June 20th,
h.constin@constin.de

Eco Energy by sun,
wind and biomass



Energy Storage in households (RSS, UPS)
for E-Cooking, Clean-Cooking, E-Cooling



Energy Storage in public
Storage- and **Swapping Stations**



xPack100 Battery Factory 10.000 pcs/year

xPack 100-battery
for standardized, sustainable,
decentral energysupply



xPack-application
at multiple **Mobile Devices**



xPack-applications at **Light Electric Vehicles**

akkuNETZ is a project of Constin GmbH, Berlin, with the aim of to introduce a new, sustainable 48V battery standard, the xPack standard, worldwide.

In order to disseminate the xPack standard, all components of the xPack ecosystem are offered to a local licensee or a group of licensees for local/national use in the form of a franchise system.

The family of components includes not only the xPack100 battery with its plug-in system and electronics, but also chargers in the form of individual chargers, multiple chargers and battery battery cabinets, which are publicly accessible and can be used for various applications such as light electric vehicles, home energy storage and mobile devices. (see diagram)

The local production of xPack batteries is essential for the sustainable circular operation of the xPack ecosystem.

This is the only way that repairs and complaints can be carried out efficiently. The production plant for manufacturing the xPack100 batteries is also part of the akkuNETZ local component family.

Within the akkuETZ local network, various business models can be realised by different network partners.

The local production of components is to be realised in the long term by the local network participants.

Constin GmbH benefits on a one-off basis from the technology transfer (supply of documentation and training), enabling the local network to operate the ecosystem locally. Components are also supplied by arrangement.

In addition, a standard licence fee of €20 per xPack100 battery is charged and Constin, later - akkuNETZ global - receives access to the battery data.

A non-profit umbrella organisation akkuNETZ global (ANG) is being set up to represent the interests of users of xPack batteries worldwide.

ANG will later manage the xPack licences and process licence payments.

In a cost estimate in co-operation with experienced system manufacturers, an **investment for a turnkey production plant with a capacity of 10,000 xPack100 batteries per year is estimated at approx. € 4 million.**