



# UniPower XL

Your slide-in solution.



POWER WHEREVER YOU WANT

## INTRODUCTION:

Based on our UniPower series, we evolved this series to the next level with the new 21700 cell technology, an enhanced mechanical robustness and many more improvements.

Moreover, the Smart Connector and a cluster management system are integrated, thus several batteries can be controlled in one system.

This battery will be available in a 60 A and a 90 A version.

## UNIPOWER XL:

- **VOLTAGE:** 12 V, 24 V, 36 V, 48 V (51,7 V)
- **CAPACITY:** max. 45 Ah (@51,7 V)
- **ENERGY:** up to 2,326 Wh
- **POWER:** Up to 4,000 W (60 A version); up to 5,300 W (90 A version)
- **DIMENSIONS:** 391mm x 81 mm x 269 mm
- **WEIGHT:** ~11.6 kg (60 A) ; ~12.2 kg (90 A)
- **SPECIALS:**
  - » Self finding plug-system integrated in frame
  - » Smart cluster manager integrated into plug
  - » Intelligent Battery-Management-System (BMS) with all safety functions
  - » CAN-Bus
  - » USB interface for service tool
  - » SOC (State of Charge) display
  - » 12 V for system demand (24 W)



and many more options

## CLUSTER MANAGEMENT (SCSM):

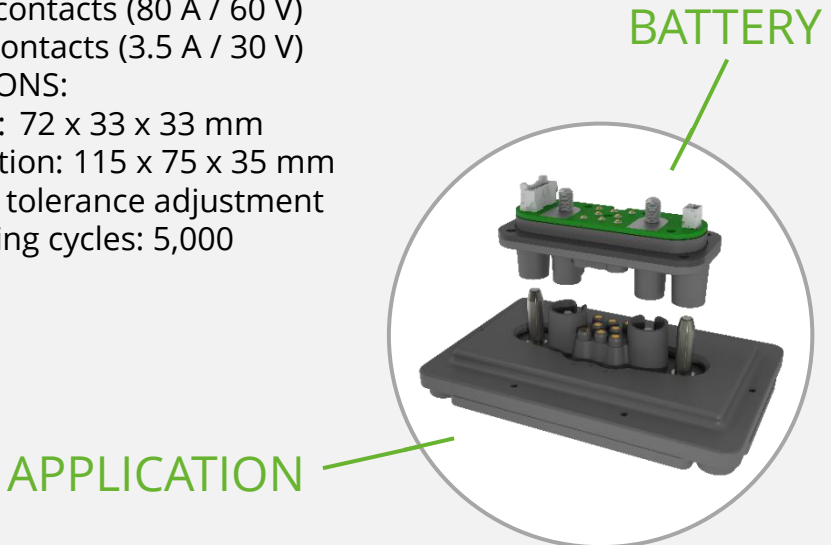
The cluster manager is an additional module to manage the usage of more than one UniPower battery in your application. This electronic module can be implemented directly into the Smart Connector, or anywhere else in your application.

- 2 separate CAN lines
- Management of several batteries
- Adaption to customer, CAN protocol enabled
- Usage of different motor controllers (Heinzmann, Feo,..)

## SMART CONNECTOR:

The Smart Connector is developed for the usage with the UniPower Slide-in. It is a self plug-in designed to be used in battery applications (e-mobility, industrial...), and especially for the combination with our cluster manager SCSM.

- 2 power contacts (80 A / 60 V)
- 8 signal contacts (3.5 A / 30 V)
- DIMENSIONS:
  - » Battery: 72 x 33 x 33 mm
  - » Application: 115 x 75 x 35 mm
- centring/ tolerance adjustment
- max mating cycles: 5,000
- IP 65



**YOUR SLIDE-IN SOLUTION.**

# APPLICATIONS:



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# SBS PERFORMANCE:

- BATTERY SYSTEMS
- PRODUCTION
- DEVELOPMENT
- CELLS
- CONSTRUCTION
- CHARGER
- CONSULTING
- WORKFLOW



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