



Weidmüller 

Reliable Power Connections for Energy Storage Systems

IP67 Battery Pole Connectors

Renewable energy sources are fueling the energy transition — but this energy must be stored to be used optimally. With our industrial connectivity and digitization solutions, we offer added value in this segment — from battery management to power back-up, connectivity or Ethernet communication.

Introducing the Weidmüller Battery Connector

Whether in smaller storage systems for home use or in large battery containers - the Weidmüller Battery Connector covers a wide range of applications with sizes from 100A up to 350A. On the connector side, conductor cross-sections from 10mm² to 95mm² can be connected. On the mating part, there is a busbar where the conductor can be easily connected on the device side by means of a cable lug.

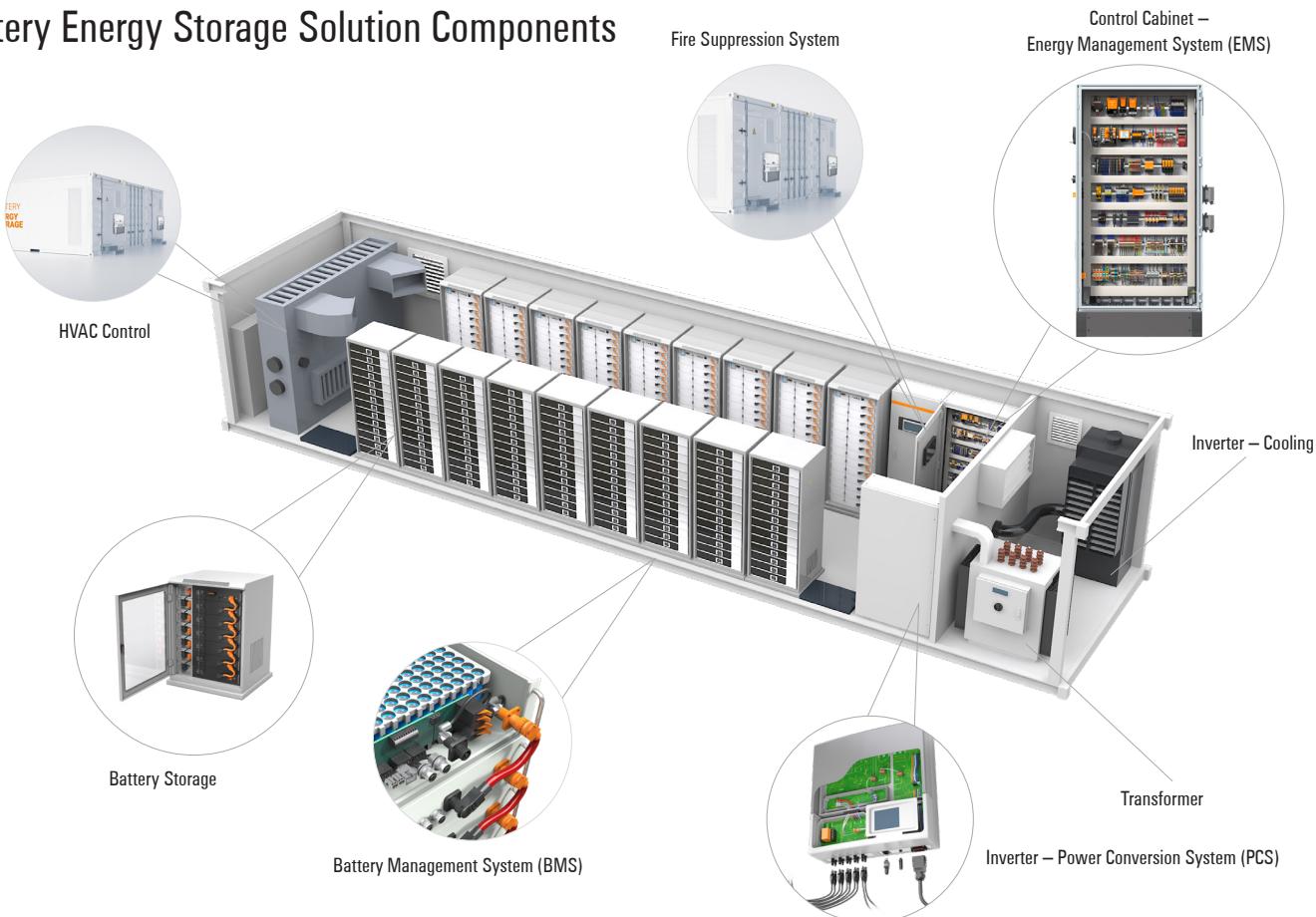
New!



Your benefits at a glance

- User-friendly design for effortless handling
- Reliable locking mechanism ensuring a secure and stable connection between individual batteries
- Unique plug coding ensures reverse polarity protection, minimizes the damage risk of incorrect connections
- Safe to touch due to protected mounting side
- IP 67 class protects against dust and water infiltration
- Fulfils international safety standards by compliance with the requirements of UL standard 4128

Battery Energy Storage Solution Components



Connectivity Solutions in BESS

Battery Storage

- Connectivity parts for pack or module and BMS / PCB interconnection

Power Conversion System (PCS)

- Specific battery or PV & HV connectors
- PCB board & communication connections
- Surge & overvoltage protection
- Power supplies (AC/DC or DC/DC)
- Relays
- Terminal blocks

Battery Management System (BMS)

- Specific battery connectors
- PCB board & communication connections
- PLC & Industrial Ethernet communication

System Interconnection

- Terminals
- Customized string combiner boxes
- Customized mar shalling boxes
- Customized cabling

Energy Management System (EMS)

- PLC & Industrial Ethernet communication
- Surge & overvoltage protection
- HMI
- Relays
- Terminal blocks
- Power supplies (AC/DC or DC/DC)
- Energy metering
- Test & transformer disconnection terminals
- SCADA & EMS software

HVAC & Fire Detection / Suppression

- PLC & Industrial Ethernet communication
- Surge & overvoltage protection
- HMI
- Relays
- Terminal blocks
- Power supplies (AC/DC or DC/DC)
- Energy metering
- Terminal blocks

Want to learn more? Let's connect!

Contact us today: Pete Tecos, Director of New Energy Solutions
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Learn more about our energy storage solutions!
Energy Storage System



Learn more about our connectivity solutions!
Battery Connectors

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