



# ACCESS

MICROPOWER GROUP

FOR FULL MANAGEMENT CONTROL  
OF YOUR TRACTION BATTERY FLEET

# ACCESS CHARGERS FOR EVERY NEED

– READY TO NETWORK AND REPORT

## ACCESS 30

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1-phase  
24V 40-100A  
36V 22-70A  
48V 20-60A  
IP54 casing\*  
IP66 optional

## ACCESS 32

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1-phase  
24V 60-120A  
36V 60-80A  
48V 40-60A

## ACCESS 50

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3-phase  
24V 80-130A  
36V 60-100A  
48V 60-80A

## ACCESS 100

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3-phase  
24V 150-200A  
36V 130-150A  
48V 100-165A  
80V 60-100A

## ACCESS 200

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3-phase  
24V 300-400A  
36V 300A  
48V 200-330A  
80V 120-200A

## ACCESS 400

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Module  
assemblies of  
Access 100-units  
Example: 80V 400A

### Which ACCESS charger size do you need?

Check out our webpage charger guide. You will need mains voltage, battery voltage, battery capacity in Ah, type of battery, and available charging time.

### Downloads

Visit our document portal where we have gathered files such as user manuals, data sheets, drawings, STEP-files, charging tables and more: [docs.micropower-group.com](https://docs.micropower-group.com)

### ACCESS chargers

- High frequency technology
- BBC Best Battery Choice software built-in
- High efficiency
- Charging curves/algorithms included for most batteries and needs.
- Default charging curve with ionic mixing
- Li-ion battery compatible
- Suitable for AGV and fast/opportunity charging, see separate brochures
- Wireless communication
- Most models are available for various mains voltages.

\* IP54 on data plate requires fixed primary cable.

# ACCESS SYSTEM – FULL CONTROL OF YOUR BATTERY FLEET

BBC- BEST BATTERY CHOICE & BATTERY CHARGING MANAGEMENT  
– READY TO NETWORK AND REPORT



## Battery always fully charged

Access connects all chargers in a defined group with each other via radio. When it's time to exchange batteries Access already knows which one is best suited for your forklift and clearly directs you to the battery with the best state of charge. The Access chargers can be divided into groups to manage different kinds of batteries.

## Green light for battery change

Access clearly indicates which battery to choose by showing a green light in the display. Everything is taken care of automatically so that battery exchange is as quick and easy as possible.

## Take charge of your batteries



It's possible to install an Access BMU (Battery Monitoring Unit) on each battery. The Access BMU stays in contact with the battery charger via radio. Battery status and statistics can be downloaded with the aid of the Access Service Tool. The service tool also allows parameters to be changed.

# ACCESS OPTIONS AND ACCESSORIES

MAKE SURE YOU DESIGN YOUR BATTERY CHARGING PROCEDURE AS EFFICIENT AS POSSIBLE

## ACCESS BMU

The Access BMU:s Battery Monitoring Unit is mounted onto the battery, normally over its entire lifetime. It measures current, voltage, voltage balance between cell groups, temperature and electrolyte level. The Access BMU communicates with any other Access compatible unit via radio. It can for example be set to tell a specific charger which charging parameters to use. The temperature monitoring is a mandatory input for fast and opportunity charging.



## ACCESS BLU

The Access BLU Battery Logging Unit is easily connected to your battery and will measure both charging and discharging by switching between vehicle and charger. The unit communicates with your Access Service Tool and can be set on History log, Event log, Instant log or Momentary value display on computer screen. If the vehicle is on battery replacement operation, the Access BLU will continuously be connected to the vehicle and switch the other end between the batteries. It will then give you valuable answers to the question: Can this application run on Fast/Opportunity Charge? Alternatively: How many batteries are needed? Why does the battery not last the entire shift?



## ACCESS SERVICE TOOL

The Access Service Tool is your link between any compatible Access component and your laptop. Linked on radio, the Access Service Tool downloads data from BMU:s, BLU:s and chargers. It generates relevant individual or fleet reports.



## ACCESS DCU

The Access Data Collection Unit (DCU) is an accessory to the Access battery charging system that significantly simplifies data collection. It automatically collects the statistical information from all BMU and chargers that are within wireless range and stores it in an internal database. Data collection is started automatically upon mains supply connection. No setup is normally necessary, just wait for the data to be collected. The data stored in the internal databases can be exported from the DCU either by entering a USB memory stick into the DCU or through Internet. The exported data can then be imported into the Access Service tool, where reports can be generated and data analysed in detail.



## I/O - CARD

I/O cards can be equipped with up to 5 individual relays and can be used to control various functions such as an external LED-indicator, stacking beacon for charger status and remote start.

## STANDS

Our stands fit all Access and Sharp chargers. The stands are available in two models, one bench and one floor stand.

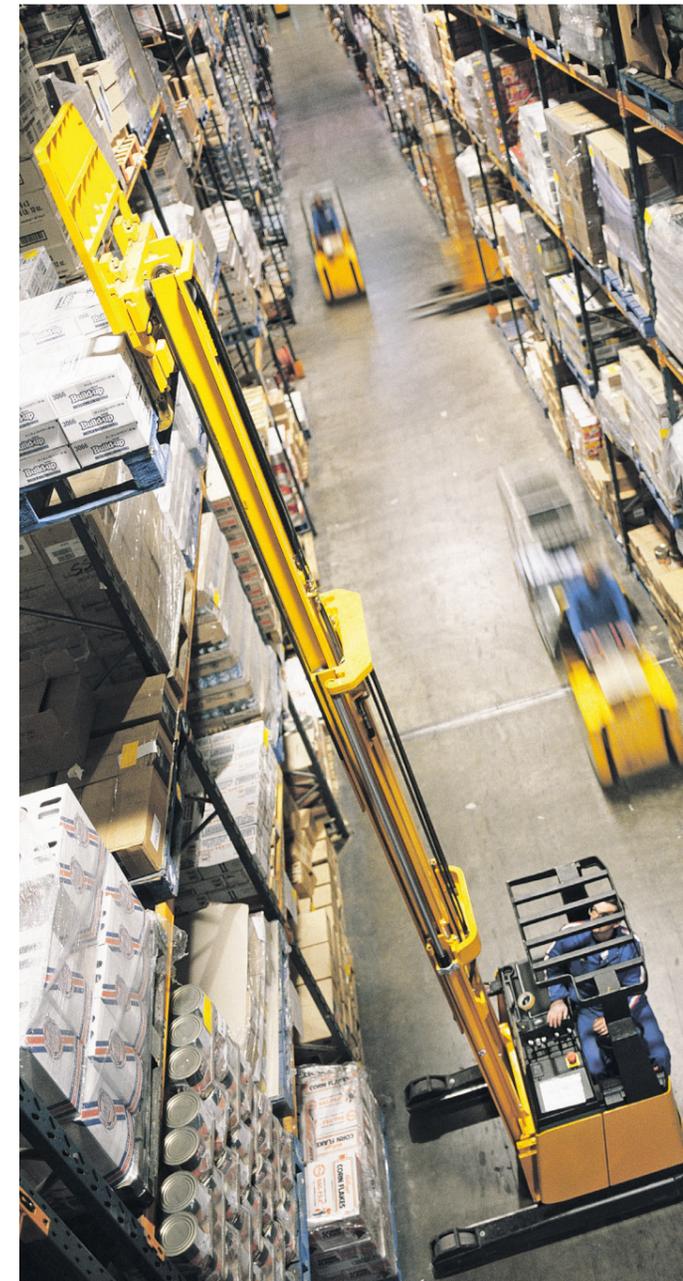
## AIR PUMP

An alternative to ionic mixing where air bubbles are used to mix the battery acid. The air pump is fully integrated in the charger.

## CAN-BUS

The CAN-bus communication makes the charger very versatile and adds the possible to communicate with other systems also using CAN-bus, for example Li-Ion batteries.

*Please see our website for more accessories.*



# GLOBAL ACTOR IN BATTERY CHARGING SOLUTIONS

Micropower Group is an independent producer of battery chargers and systems for industrial use, with head office in Växjö, Sweden. Micropower is a global, leading player on material handling battery charging.



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