

Powerful Solutions Partner

Micropower Group is a complete system supplier of industrial Lithium-Ion batteries, battery chargers and power supplies. With own production and R&D, we take responsibilities for the whole chain where we develop, design, manufacture and supply battery and battery charging products and systems to customers and distributors worldwide.



AUTOMATED GUIDED VEHICLES

ADVANCED CHARGING OF AGV TRACTION BATTERIES



MICROPOWER GROUP™
POWERFUL SOLUTIONS PARTNER



Micropower Group AB
Idavägen 1
SE-352 46 Växjö, Sweden

Phone: +46 (0)470 727 400
sales@micropower.se
www.micropower-group.com

FULL RANGE FOR ENERGY EFFICIENT AGV CHARGING

Micropower chargers have since long been used for AGV (Automated Guided Vehicles) battery charging, for various types of batteries, including lithium ion. All Micropower chargers are suitable for AGV applications.

AGV battery charging is generally characterized by customized charging curves. The parameters are set from factory in accordance with the customer's specifications but can be reprogrammed in the field thanks to the ease to use HMI.

The Access and Lion chargers can communicate through CAN, ethernet, radio and have battery management systems and Dynamic Power Limitation control as standard. It is also possible to equip the chargers with I/O cards used for various functions. This makes the battery chargers versatile and gives them possibility to communicate with most systems.

All chargers are compatible with the GET fleet management system, helping you to optimize your operations through online monitoring and intelligent data analysis.

AGV technology

Repetitive work, large volumes, difficult working environments or other applications where automated processes are beneficial. The task for the charger is to adapt to the specific working conditions and optimize the use of the battery vehicle.

This can mean:

- Opportunity charging, from a few seconds
- Automatic charging start
- Remote control
- Overnight charging
- Battery exchange system
- Other I/O involving actions

For simpler AGV applications, the Sharp family chargers can be used. Micropower can also offer compact DC/DC converters.

For more info about Micropower's chargers, visit micropower-group.com

ACCESS 30



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

ACCESS 50



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

ACCESS 80



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

ACCESS 100



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

ACCESS 130



3-phase, 24V 300A, 36V 300A, 48V 210A, 80V 130A, 96V 100A, 120V 90A

ACCESS 200



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

Access and Lion with larger capacities are available. For more info about other Micropower's chargers, visit micropower-group.com