

## MHTM™ MicroDrive Accessories

### Battery Backup (BAT010 / BAT011)

The battery backup BAT is a battery buffering system for MHTM™ MicroDrive barriers.

It allows buffering voltage drops so that the barrier stays operational.

In case of longer power outages the MHTM™ MicroDrive barriers can be operated over a time period of several hours with a large number of barrier cycles.

The BAT is a complete kit set comprising an additional power supply, a battery support frame and a set of cables. It is installed in the secondary circuit of the barrier's supply between the standard barrier power supply and the logic controller respectively the motor.

The battery supply is realized by two maintenance-free lead batteries. These are separately available as kit set BAT-AK010.

The charging circuit for the lead batteries is temperature controlled by an external sensor.

The system is protected against over voltage, short circuit and open circuit.

The BAT010 can be used with all MHTM™ MicroDrive barriers with VarioBoom in the lower barrier housing. For barrier types with MicroBoom in the tall housing, e.g. Magnetic.Access Pro-H, variant BAT011 has to be used.



#### Technical Data

Input voltage	21 - 26 V DC
Input voltage batteries	18 - 30 V DC
Output voltage	24 V DC ± 10%
Output power nominal	24W + 30 W
Output power maximum	24 W + 240 W
Efficiency	~ 82 %
Charging current batteries	limited to 200 mA
Ambient temperature power supply	-22° to 158° F
Ambient temperature batteries	5° to 122° F charge -4° to +140° F discharge

#### Supported barrier types

Magnetic.Access	all
Magnetic.Parking	all
Magnetic.Toll	all except HighSpeed