

## 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 responsibility for the whole chain where we develop, design and manufacture and supply battery and battery charging products and systems to customers and distributors worldwide.

CHAMP BATTERY CHARGER

# COMPACT BATTERY CHARGER



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

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

**MICROPOWER GROUP™**  
POWERFUL SOLUTIONS PARTNER



# INTELLIGENT & COMPACT CHARGER

- perfect charge for your battery



## Micropower Champ

Micropower Champ is a very compact battery charger intended for lead acid batteries of any kind. Also available for Li-Ion batteries. Basic models are in 12V and 24V versions. The charging is controlled by the internal electronics which always secures a correct charge of your batteries.

The integrated temperature sensor ensures the correct charging voltage in warm and cold climate\*. All models are protected from overheating, wrong polarity connection, short circuit. The LEDs show the charging status and error indication.

The ruggedized design and compact volume together with very high efficiency makes the Champ perfect for multitude of tough tasks.

They are equally suited to charge batteries for cyclical installations, as they are to do maintenance charging of starter batteries.

The Champ charger handle difficult working environment such as on the frameworks of a truck and under the bonnet in a vehicle as an "on board" charger. All models can be equipped with a control voltage for use as an immobilizer signal, to prevent starting of a vehicle before unplugging the main cable (start interrupt function).

\*Not available in 12/7 and 24/5 versions

- Up to 30A
- Plug & play
- Polarity protection
- No sparks
- Short-circuit protection
- Temp. compensated
- Waterproof, IP67
- Easy to install
- Robust design
- User friendly
- Current limited
- High efficiency >90%

## Accessories



All Champ chargers can be delivered with clamps or ring terminals, standard for all the Champ chargers is ring terminals.



Champ chargers are available with rubber housing as optional.

## Specification and models

Article number	0033330	0033351	0043884	0043904	0043887	0043908
Dimensions (L x W x H) mm	80 x 150 x 43 mm		198 x 98 x 47 mm			
Weight	1,1 kg		1,7 kg			
Ambient temperature	-25°C > +40°C					
Current	7A	5A	17A	30A	12A	20A
Voltage	12V	24V	12V	12V	24V	24V
Charging algorithms	GEL/AGM/STANDARD/ LITHIUM/TRACTION					
Recommended battery capacity	20-120Ah	20-100Ah	50-220Ah	60-400Ah	30-220Ah	60-350Ah
Input voltage (mains)	90-270VAC		190-254VAC			
Ripple	<1%					
IP class	IP67					
Protection class	Class I					
Mains cable	3 x 0,75mm <sup>2</sup> Rubber cable. 1,8m		3 x 1,0mm <sup>2</sup> Rubber cable. 1,8m			
Battery cables	2 x 1,5mm <sup>2</sup> 1,5m		2 x 2,5mm <sup>2</sup> 1,5m	2 x 6mm <sup>2</sup> 1,5m	2 x 2,5mm <sup>2</sup> 1,5m	2 x 6mm <sup>2</sup> 1,5m

All models can easily be configured for your special needs.

The smaller models, 12V / 7A & 24V / 5A have "Wide input" input voltage, they deliver full effect 90-270VAC.