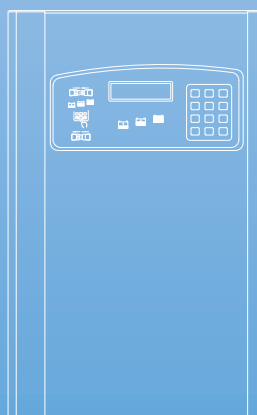


*For all types of
lead acid batteries*

Waterproof

Space-saving

Effect 100-300 W



Micropower E.D. Marketing AB

Idavägen 1 SE-352 46 Växjö Sweden
Tel. +46 (0)470 72 74 00
Fax +46 (0)470 72 74 01
sales@micropower.se
www.micropower.se



SMC-HF 250, in true size.

- IP-65 classified
- Protection from wrong polarity
- Temperature-protected
- Short circuit protected

SMC-HF

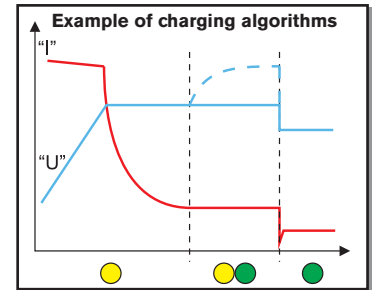
General

The SMC-HF charger is intended for all types of lead acid batteries including gel batteries. Charging automatically takes place with e.g. IUoU charging characteristics. This means charging with maximum current until the gassing voltage has been reached. This voltage is then kept constant until the current has decreased to a limit value specific to each battery model. Hereafter the charger automatically switches to equalize charging or to maintenance charging depending on the charging curve.

Owing to its dimensions, the SMC-HF 12 V and 24 V are the perfect chargers, on-board applications, for trucks, skylifts, wheelchairs, cars, boats, etc.

The batteries are always fully charged without risk of overcharging. The charger supplies output voltage without any battery connected. The charger is in stand by waiting for a battery to be connected.

SMC-HF chargers are filled and sealed according to enclosure class IP 65. They are equally well suited to charging batteries in cyclic use as to maintenance charging of starter batteries. They are furthermore highly shockproof and therefore suitable for vehicles that are used on uneven ground.



Technical data	SMC-HF 100				SMC-HF 250				SMC-HF 300			
Charger size	12V 6A 24V 3A (also in 115V +20-22%)				24V 8A (also in 115V +20-22%)				12V 17A 24V 11A			
Mains voltage	230V +- 10%				230V +- 15%				230V +- 10%			
Mains current	0,7A				1,4A				1,6A			
Frequency	40 - 60 Hz				47 - 63 Hz				40 - 60 Hz			
Charging algorithm	Programmable				Programmable				Only IUoU algorithm			
Efficiency	> 85%				> 90%				> 85%			
Weight	0,9kg				1,6kg				1,6kg			
Dimension	110 x 70 x 36mm				193 x 99 x 48mm				193 x 99 x 48mm			
Enclosure class	IP65				IP65				IP65			
Protection class	1 Earthed mains cable				1 Earthed mains cable 2 Non earthed mains cable				1 Earthed mains cable			
Safety	CE - mark				CE - mark				CE - mark			
Vibration requirement	According to SS4330771 for chargers in vehicles.				According to SS4330771 for chargers in vehicles.				According to SS4330771 for chargers in vehicles.			
Temperature range	- 25 to +50 °c				- 25 to +50 °c				- 25 to +50 °c			
cables	Primary & secondary cables included				Primary & secondary cables included				Primary & secondary cables included			
Battery capacity for SMC-HF and a defined charging time.	SMC-HF 100				SMC-HF 250				SMC-HF 300			
	Open lead acid		Valve regulated GEL		Open lead acid		Valve regulated GEL		Open lead acid Valve regulated, GEL			
Charger current (A)	8 h cap.	12 h cap.	12 h cap.	14 h cap.	8 h cap.	12 h cap.	12 h cap.	14 h cap.	8 h cap.	10 h cap.	12 h cap.	14 h cap.
3	13 Ah	21 Ah	19 Ah	24 Ah								
6	26	42	38	48								
8					32	57	63	75				
11									45	60	83	98
17									67	93	122	147

Operating status (LED's)

•**Main charging:**
Yellow LED is lit. Switching to additional charging or maintenance charging takes place when the current is at the lower limit or after maximal main charging time.

•**Additional charging:**
Yellow and green LED lit. When the battery is nearly fully charged, additional charging starts with a low current and then the voltage increases. Hereafter maintenance charging starts.

•**Maintenance charging:**
Green LED is lit: The battery is fully charged.

•**After mains interruption:**
Charging starts with main charging.

We reserve the right to make changes without further notice

Micropower E.D. Marketing AB

Idavägen 1, SE-352 46 Växjö, Sweden
Tel. +46 (0)470 72 74 00, Fax +46 (0)470 72 74 01
sales@micropower.se www.micropower.se

