

BATTERY CHARGERS

HF-5 BATTERY CHARGER



CURTIS



DESCRIPTION

These high efficiency battery chargers enhance the Curtis EV systems offering and are manufactured to meet all European quality and safety standards.

APPLICATION

The HF5 is compact and robust and ideally suited to a wide range of materials handling applications including order pickers, pallet trucks, scrubbers/sweepers, stackers, tugs, and walkies. Also suitable for light on road applications, mobility, golf and leisure vehicles.

FEATURES

- High frequency system with advanced technology.
- Microprocessor-controlled charging process.
- Universal input voltage: 100-240V AC.
- Charging process start in the "soft start" mode.
- Automatic reset upon connection of a new battery and automatic start of a new charging cycle.
- Protection against polarity reversals, short-circuits, over-voltages or failures by means of an output relay.
- Battery to charger connection without sparks on the output terminals resulting in better safety thanks to detection of battery voltage downstream.
- Signalling of failures, if any, by flashing red LED's.
- +/- 10% mains voltage fluctuations do not affect charging parameters.
- Efficiency greater than 85%.
- Output ripple lower than 100mV at maximum load.
- Start of the charge cycle even with extremely low battery voltage.

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HF-5 BATTERY CHARGER

DIMENSIONS

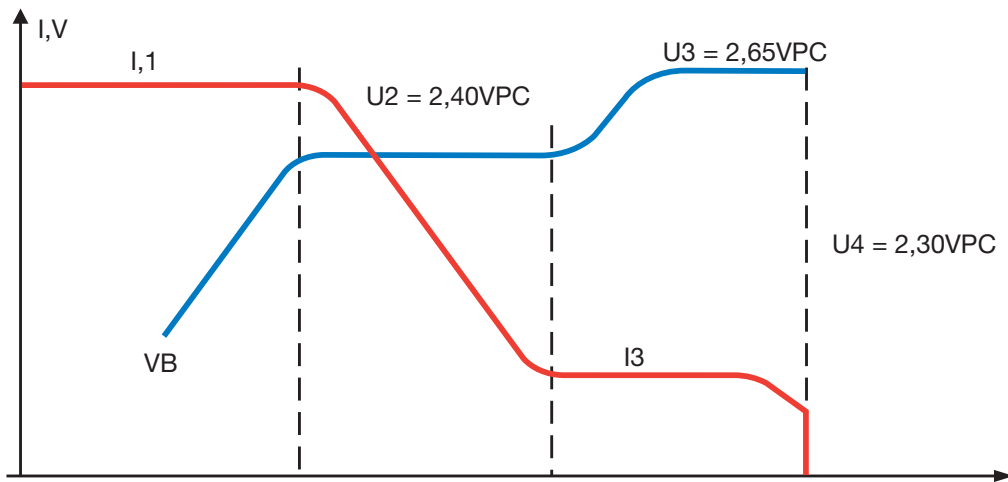
A	Battery Range Acid or Gel	VAC	Box	L x W x H (mm)	L x W x H (in)	Weight (kg)	Weight (lb)
12 5	20–50	110/240 50/60 Hz	A	130 x 120 x 56	5.1 x 4.7 x 2.2	0.9	2
12 10	60–100		B	130 x 164 x 56	5.1 x 6.5 x 2.2	1.2	2.6
12 15	110–150		C	130 x 240 x 56	5.1 x 9.4 x 2.2	1.4	3.1
24 5	20–50		A	130 x 120 x 56	5.1 x 4.7 x 2.2	0.9	2
24 10	60–100		B	130 x 164 x 56	5.1 x 6.5 x 2.2	1.2	2.6
24 15	110–150		C	130 x 240 x 56	5.1 x 9.4 x 2.2	1.4	3.1
24 20	145–200		C	130 x 240 x 56	5.1 x 9.4 x 2.2	2.1	4.6

SWITCH SETTINGS

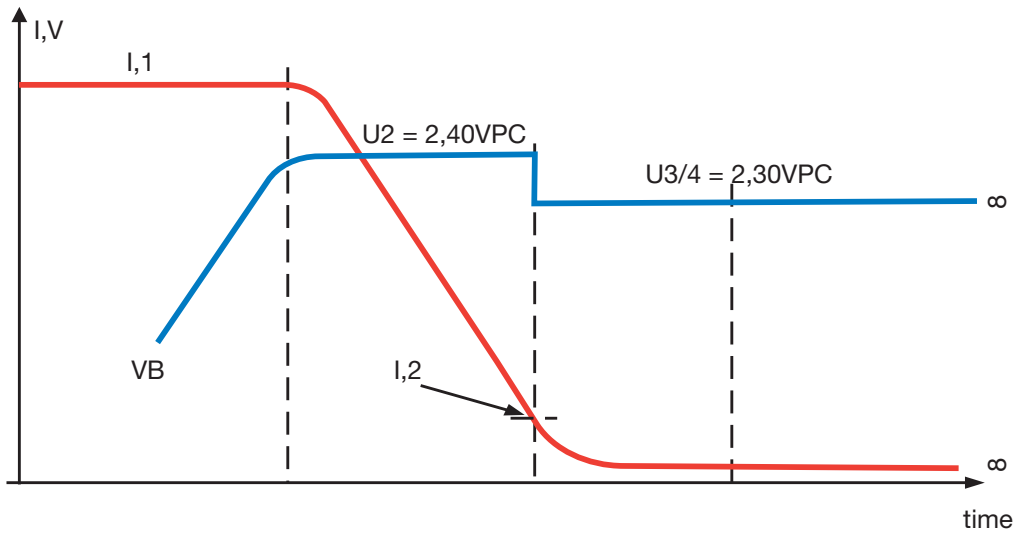
12V 5A				
	DP1	DP2	DP1	DP2
On	3A	Charge Stop	IUIA Acid	Not User Settable
Off	5A	Floating	IUIO Gel	
12V 10A				
	DP1	DP2	DP1	DP2
On	8A	Charge Stop	IUIA Acid	Not User Settable
Off	10A	Floating	IUIO Gel	
12V 15A				
	DP1	DP2	DP1	DP2
On	12A	Charge Stop	IUIA Acid	Not User Settable
Off	15A	Floating	IUIO Gel	
24V 5A				
	DP1	DP2	DP1	DP2
On	3A	Charge Stop	IUIA Acid	Not User Settable
Off	5A	Floating	IUIO Gel	
24V 10A				
	DP1	DP2	DP1	DP2
On	8A	Charge Stop	IUIA Acid	Not User Settable
Off	10A	Floating	IUIO Gel	
24V 15A				
	DP1	DP2	DP1	DP2
On	12A	Charge Stop	IUIA Acid	Not User Settable
Off	15A	Floating	IUIO Gel	
24V 20A				
	DP1	DP2	DP1	DP2
On	18A	Charge Stop	IUIA Acid	Not User Settable
Off	20A	Floating	IUIO Gel	

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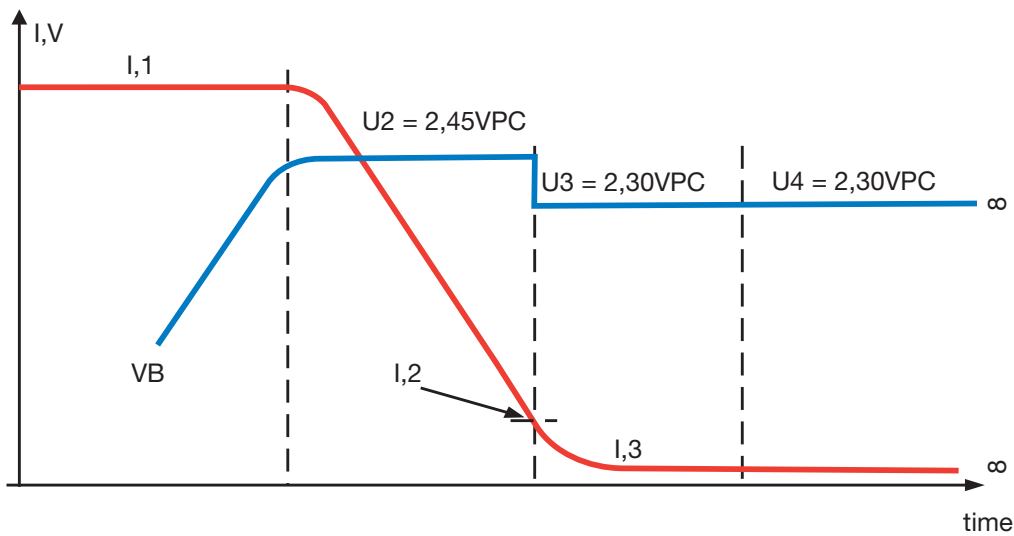
PB CHARGE CURVE



GEL CHARGE CURVE



AGM CHARGE CURVE



WARRANTY Two year limited warranty from time of delivery.

