

# MCC-40 MOTORCYCLE BATTERY CHARGER

For 12V Lead-based & Lithium Batteries



- ⚡ IP65 waterproof and dustproof
- ⚡ 5 charge profiles for lead- and lithium batteries
- ⚡ Recovery-phase for deep-discharged batteries
- ⚡ Winding chambers for mains- and charging cable
- ⚡ Temperature-dependent charge voltage adaption
- ⚡ Maintenance charge for winter storage
- ⚡ 12mm charge plug (DIN 4165 / Hella style)
- ⚡ Adapter cable with battery clamps, storage bag

## BATTERY TYPES

- ☒ Gel
- ☒ AGM
- ☒ WET
- ☒ Lithium (LiFePO4)

WATERPROOF



IP65

12V / 2.2A

# MCC-40

## The Real Pro



### LEAD- OR LITHIUM: 5 DEDICATED CHARGE PROFILES TO SELECT FROM

Three distinct charge profiles for Gel-, AGM- and Wet-batteries and one optimized charge profile for Lithium (LiFePO4) batteries. If the biker is uncertain about his battery's chemistry and type, the Universal charge profile is the safe choice.

Subjecting the battery to maintenance charge during the long winter months will jump-starts the motor bike in spring. The MCC-40 monitors the battery's gradual voltage drop, once trickle charging is terminated. A set, lower voltage level or elapsed time of 7 days will trigger a recharge cycle, compensating for the battery's inherent self-discharge and exercising it for the new riding season ahead. The charger's recovery mode will bring a badly deep-discharged battery back to life, with a defined series of current pulses and the subsequent soft charge routine.



### THE LCD-DISPLAY KEEPS THE BIKER INFORMED

A back-lit graphic display with a clearly structured menu, supported by icons and symbols, quickly guides the biker to the chemistry and type of battery of choice.

During charging the display shows the charge phase the battery is in, charge current, battery voltage, charged-in AmpHours and the temperature of the environment the battery is exposed to.



### TEMPERATURE-DEPENDENT CHARGE VOLTAGE ADAPTION

The temperature sensor, being an integral part of the 12mm charge plug [DIN 4165 / Hella style] asks the charger to respond to temperature swings by auto-adjusting the charge voltage accordingly – the prerequisite for a long and healthy battery life.



### EXTENDING THE 12MM-PLUG WITH ALLIGATORS

The detachable cord assembly, mating with the 12mm charge plug of the fixed output cord, clamps quickly and safely to the poles of batteries.



### THE CHARGER WITHOUT TANGLED CORDS

The flanged enclosure of the MCC-40 provides two independent winding chambers for coiling up the DC- and the AC-cord. The final looping of the piece of Velcro strip around the charger keeps the cords tidily affixed in place - a neat and effortless solution to doing away with messy, tangled-up cord assemblies.



### THE STORAGE CASE CREATES ORDER

At home or on the move - the padded storage case not only protects the charger, but does away with prolonged searches for accessories misplaced.



### WATERPROOF MEANS 'DEPENDABLE'

The challenges the biker and his machine are to face in demanding environments are also the challenges the MCC-40 is built to cope with. At ease with water, moisture, dust and extreme temperatures, the MCC-40 is the biker's dependable companion, off-road and on extensive cruises alike.



INDOOR



OUTDOOR



WORLDWIDE



Designed in Austria



## SCOPE OF DELIVERY

Operating Instructions

Battery Charger

Adaptor Cable

Storage Bag

Box



## Operating Displays

### Battery selection:

Universal  
GEL  
AGM  
WET  
• Lithium •

- Universal - lead/acid & LiFePO4
- GEL - lead/acid
- AGM - lead/acid
- WET - lead/acid
- Lithium - LiFePO4

### Standard charging display:

GEL  
2.2A  
13.6V



- Selected charge profile
- Current charging current [A]
- Current charging voltage [V]
- Charging status (battery symbol)

### Detailed charging display:

GEL  
2.2A  
13.6V

Step 2/5  
3.54 Ah  
26 °C

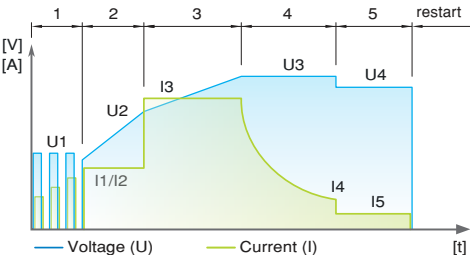
- Selected charge profile
- Current charging current [A]
- Current charging voltage [V]
- Current charging phase
- Charged-in amp-hours [Ah]
- Ambient Temperature [°C]



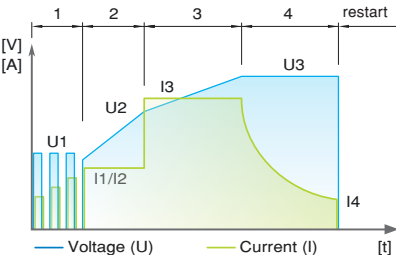
# Technical Data:

Model   Item no.	MCC-40   121-06222-530I
Input	100-240VAC 50-60Hz 1.0A max.
Output	14.8VDC 2.2A max.
Back current	<1mA
Temperature range	Operating: -10°C bis +45°C Storage: -25°C bis +65°C
Electrical protection class	II (double insulated)
Mechanical protection class	IP65 = Dust-proof an waterproof
Device protection	Protected against reverse polarity, -short circuit, -overvoltage and -over temperature
Housing dimensions & weight	180x100x53 (LxWxD) ca.700g
Certifications	CE
Battery types & -capacities	<div>12V Lead/Acid:</div> <div> <div>Gel</div> <div>AGM</div> <div>Wet</div> </div> <div> <div>6-30Ah</div> <div>6-30Ah</div> <div>6-30Ah</div> </div> <div>12V Lithium:</div> <div> <div>LiFePO4</div> </div> <div> <div>2-30Ah</div> </div>

Charge Profile : Gel, AGM and Wet



Charge Profile : Universal and LiFePO4



## Charge Profile Values

Charging Phases	PHASE 1		PHASE 2		PHASE 3		PHASE 4		PHASE 5		Fully automatic charge-restart
	recovery		soft-start		bulk charge		absorption charge		trickle charge		
Battery Types ▼	U1 --	I1 (max.)	U2 (max.)	I2 --	U3 (max.)	I3 --	U3 --	I4 (min.)	U4 --	I5 (max.)	
Universal	10V	1.5A	11.5V	1.5A	14.2V	2.2A	14.2V	0.8A	---	0.5A	
Gel					14.4V		14.4V		13.5V		
AGM					14.6V		14.6V		13.6V		
Wet					14.8V		14.8V		13.8V		
LiFePO4									14.4V		14.4V
Timer	---		2.5h		13h		4h		12h		168h (7 Days)

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