

INSPIRED BY COMFORT

BATTERY CHARGERS

WAECO PerfectCharge MCP series

2015

**NEW: Battery charging
has never
been this easy!**



ONE
button to
press for a
full charge

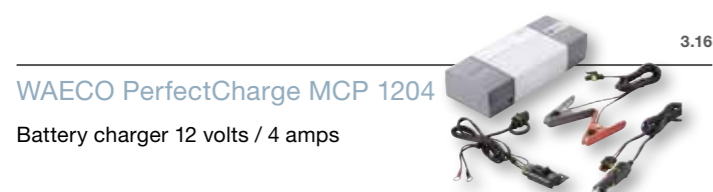


FOR ALL COMMON 12-VOLT BATTERIES
LATEST CHARGING TECHNOLOGY



SIMPLE CHARGING

Speed and accuracy are the hallmarks of the new 12-volt premium chargers in the WAECO PerfectCharge MCP series. In addition to charging, they can also be used for power supply jobs in the workshop. Designed for convenient **one-button operation**, they feature a microprocessor controlled, 8-step charging curve that even gives heavy-duty start-stop batteries an optimal charge. A practical wall cradle holding the charger, the cables and up to four battery indicators keeps the compact gadgets ready to hand. The delivery kit also includes a 12-volt cable which can be used to recharge flagging batteries from the cigarette lighter socket.



WAECO PerfectCharge MCP 1204

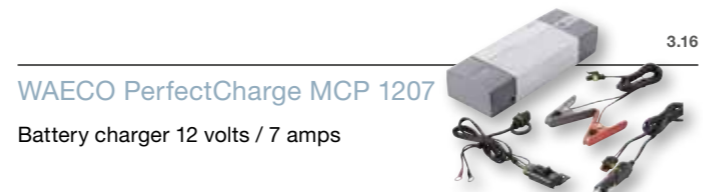
Battery charger 12 volts / 4 amps

- Mobile 12-volt battery charger
- Specially suitable for start-stop batteries
- One-button operation
- 8-step charging characteristics

Ref. No. 9102500070

Optional extras

- Ref. No. 9102500078 Battery indicator
- Ref. No. 9102500079 Wall cradle



WAECO PerfectCharge MCP 1207

Battery charger 12 volts / 7 amps

- Mobile 12-volt battery charger
- Specially suitable for start-stop batteries
- One-button operation
- 8-step charging characteristics

Ref. No. 9102500071

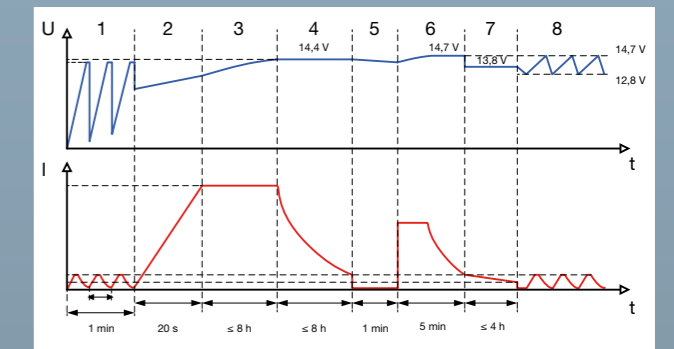
Optional extras

- Ref. No. 9102500078 Battery indicator
- Ref. No. 9102500079 Wall cradle

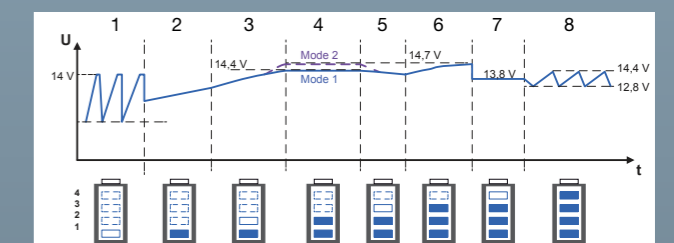
Technical data	MCP 1204	MCP 1207
Charger outputs	one, very flexible thanks to plug connector	one, very flexible thanks to plug connector
Charging characteristics	8-step	8-step
Input voltage	230 (180 – 253) V	230 (180 – 253) V
Frequency	50 – 60 Hz	50 – 60 Hz
Charging current max.	4 A	7 A
End-of-charging voltage	14.7 V	14.7 V
Float charging voltage	13.8 V	13.8 V
Recommended battery capacity	Charging: 7 – 110 Ah / Float charging: 7 – 180 Ah	Charging: 15 – 160 Ah / Float charging: 15 – 250 Ah
Operating temperature	-20°C to +50°C	-20°C to +50°C
Back discharge current	< 1 Ah / month	< 1 Ah / month
Protection class	IP65	IP65
Dimensions (W x H x D)	90 x 55 x 220 mm	90 x 55 x 250 mm
Weight	0.5 kg	0.7 kg
Scope of delivery	4 A battery charger, charger cable, ring cable lug, charger cable with battery clamps, charger cable with cigarette lighter plug (for 12 V socket)	4 A battery charger, charger cable, ring cable lug, charger cable with battery clamps, charger cable with cigarette lighter plug (for 12 V socket)

MY BENEFITS:

- For all common types of batteries
- Process controlled, optimised charging characteristics, automatically adapts to the battery type and charging condition
- Advanced 8-step charging characteristics
- Self-explanatory one-button operation
- High-quality connectors from the automotive industry
- Especially suitable for vehicles with start-stop technology
- Integrated cable management
- Supplied with a vast range of accessories: 12-volt cigarette lighter cable, cable with battery clamps, cable with lug terminals
- Separate, independent battery indicator and practical wall cradle available as accessories



8-step charging characteristics
Ideal especially for calcium based start-stop batteries which are designed for tough loads and require an adapted charging process. The MCP 1207 offers the optimal charging characteristics for this battery type and prevents all kinds of charging problems!



- Meaning of the blue LEDs**
- | LED states | Meaning |
|--------------|--|
| Off | 1 Desulphation |
| Blinking | 2 Soft-start: charging capacity is checked by the current consumption |
| Steady light | 3 I phase: empty battery is charged at a constant current. |
| Steady light | 4 U0 phase: voltage is maintained at a constant level until the battery is fully charged |
| Steady light | 5 Analyse: the battery's charge maintenance is checked. |
| Steady light | 6 Re-conditioning: voltage is increased again to generate a controlled gas formation process in the battery. |
| Steady light | 7 U phase: battery charger switches to float charging. |
| Steady light | 8 Maintenance: battery charge is monitored and topped up if required. |



Optional battery indicator

Indispensable for a quick battery check: the compact battery indicator WAECO PerfectCharge BI 01 is also designed for **one-button operation**. It has a dedicated output for the WAECO battery chargers MCP 1204 and MCP 1207. Four LEDs indicate the charging condition of

the connected lead acid battery in 25% steps. The indicator can be permanently fitted in the vehicle or used as a **mobile tool**, e.g. to check the batteries of **exhibition vehicles** or **seasonal vehicles**.



4 LEDs indicate the charging status in 25% steps

3.16

WAECO PerfectCharge BI 01

Battery indicator

- Battery capacity display
- Indicates the charging status in 25% steps

Ref. No. 9102500078



Wall cradle for charger, cables and up to 4 battery indicators available as an accessory