

CTEK PRO120 Battery Charger and Power supply now approved by Mercedes-Benz GSP, meeting W 000 588 00 81 00 charger requirements as described in Mercedes-Benz Workshop-Information-System (WIS).

PURPOSE: Charger for charging and recharging starter batteries without disconnection from the on-board electrical system.



How the CTEK PRO120 meets Mercedes-Benz requirements:

SAFE

- Adaptive Charging mode: monitors the charge acceptance of the battery and will stop charging if it detects an unknown failure or a problem with the battery e.g. bad cell.
- Reverse polarity protection if plus and minus clamps are connected the wrong way around.
- Voltage-free connecting to avoid sparking.
- Auto switch off if connection to the battery is interrupted.
- Convection cooling: fanless technology that uses natural airflow to prevent moisture collection on unit electronics.
- Fully isolated, heavy-duty casted brass clamps for safe connections and to protect against voltage drop when using high currents.

PERFORMANCE

- Enables flashing procedures to complete within the standard time set for this activity by Mercedes.
- Delivers 120A of power, even at 14.8V, to support uninterrupted flashing and diagnostic procedures.
- Rapid response, resonance converter charging technology to meet exact changing current needs during flashing and diagnostic procedures, to avoiding stalling of the process and/or damage to vehicle components.
- Won't derate when meeting high current demands. Highly efficient charging technology and unit construction ensures maximum current availability, even over long periods of time.
- 'Wake up' signal to take Lithium* batteries out of the under-voltage protection, avoiding unnecessary and expensive (warranty) Lithium battery replacements.
- Clean ripple free voltage to protect ECU's during flashing.
- Clean ripple free current to avoid unnecessary temperature rise during charging, that could 'gas' the battery and shorten battery life.



FEATURES CTEK PRO120

- 12V/120A output.
- Variable output in power supply mode (12.6V-14.8V).
- Compatible with all types of 12V batteries including AGM, EFB and Lithium*.
- Suitable for batteries from 10Ah-3600Ah (15Ah-1200Ah LiFePO₄).
- Resonance Convertor technology for fast and efficient charging.
- Easy to use with clear LCD display.
- Unique patent applied for “adaptive charging” mode detects battery size, optimizes charging and avoids charging of defective batteries.
- Build in Temperature compensation.
- Rugged, impact resistance casing.
- 5 Metre detachable cable with heavy duty, fully insulated, removable clamps.
- Safe spark free operation.

* 12V lithium batteries: LiFePO₄, Li-Fe, Li-iron, LFP.

For reference check please contact your local importer/representative:

Retail Operations
Produkttechnik Werkstatteinrichtung
Mercedes-Benz Global Service & Parts
Daimler AG

