

Smart, High-Power 12 V Battery Charger and 120 Amp Power Supply.

The Bosch BAT 6120 is a future-proof, professional, two-in-one battery support solution for automotive workshops. Functioning dependably as a smart and fast battery charger, for lead acid and lithium batteries, or as a 120 A continuous power supply. With the capability to update charging characteristics via USB, your workshop remains equipped for the very latest in battery technology. The BAT 6120 is perfectly suited for operating on desk, bench, or floor and is also wall-mountable. It will even fit neatly beneath a car in a showroom. Flexible operation modes fulfil today's workshop requirements and the large 4-colour backlit LCD display, with 4 buttons makes it intuitive to use.



Order number
0 687 000 149

The benefits at a glance

- ▶ Supports 120 A DC Continuous Output (@AC120 V~240 V, 25 °C)
- ▶ Supports Flooded/AGM/EFB/GEL/Lithium (LFP) Batteries
- ▶ Interface available in 26 languages
- ▶ 12 V Lead Acid Battery Charge. Charging Diagnosis / 12 V Lithium Battery Charge, BMS Wake Up
- ▶ Maximum power output: up to 1750 W
- ▶ Flexible operation modes to fulfill customer needs
- ▶ Desk, floor or wall operations possible
- ▶ Fits underneath a car in show room
- ▶ Easy to use large 4 colour backlight LCD display including wall mount mode
- ▶ Easy access to BAT6120 Help Center web page through QR code displayed on the screen

Battery Charger & Power Supply BAT 6120



Key features

► Application

- Output: 120 Amp (120~240 V AC For US/EU), 100 Amp (100 V AC For JPN)
- 12 V Lead Acid Battery Charge, Charging Diagnosis
- 12 V Lithium Battery Charge, BMS Wake Up

► Operation modes

- Power Supply – 120 A
- Charging – Smart and fast
- Battery Replace – Safe and convenient
- Showroom – Stable and quiet

► Power supply mode

- High dynamic in order to keep the voltage stable
- 120 A continuous power
- Temperature range up to 40 °C
- Smart protection in case of low SOC (State of Charge) at the begin of application

► USB interface

- Upgrade of charging characteristics via USB – Always ready for latest battery technology

► Flexible output settings

- Maximum power output: up to 1750 W
- Can be adjusted manually

Technical data	BAT 6120
Battery nominal voltage	12 V
Battery types	UNI, WET, EFB, AGM, VRLA/GEL, LFP (LiFePO4)
Battery size (in acc. with CCA)	10 ... 450 Ah
Display	3 inch., 4 different backlight colour, 180°- rotation feature (wall hanging)
Menu languages	26
Dimensions (W x H x D)	329 x 116 x 433 mm
Weight (without charging and power cable)	8.5 kg
Function temperature range	0°C – +40°C
Cross-section charging cable	25 mm ²
Length of the charging cable	3 m (twin cable)
Protection type	IP 20 D

Scope of delivery

Battery charger, Detachable charging cables (3 m–25 mm²), AC Power cord, Wall mount, User manual including Safety instructions, Option: detachable charging cables (PN: 1 684 437 009)

Efficient Battery Charging Curves

