

Invented for life



Battery Charger & Power Supply
BAT6120-US

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

The Bosch BAT6120-US is a future-proof, professional, multi-functional battery support solution for automotive shops. Functions dependably as an efficient 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 shop remains equipped for the very latest in battery technology.

The BAT6120-US 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 fulfill today's shop requirements and the large 4-color backlit LCD display with 4 buttons makes it intuitive to use.



 **Order number**
BAT6120-US

The benefits at a glance

- ▶ Supports 120 A DC Continuous Output (@AC120 V~240 V, 25 °C)
 - Important for working on late model vehicles which have higher current requirements to maintain stable power supply during programming
- ▶ 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 showroom
- ▶ Easy to use large 4 color backlight LCD display includes wall mount mode (rotate screen 180°)
- ▶ Easy access to BAT6120-US Help Center web page through QR code displayed on the screen
- ▶ Requires standard 20A outlet for maximum power output

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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 continuous power
- 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 start of application

► **USB interface**

- Upgradeable via USB
- Always ready for latest battery technology

► **Flexible output settings**

- Maximum power output: up to 1750 W
- Can be adjusted manually
- Requires 20 amp outlet



Technical data	BAT6120-US
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 color, 180°- rotation feature (wall hanging)
Menu languages	26
Dimensions (W x H x D)	13" x 4.5" x 17" (329 x 116 x 433 mm)
Weight (without charging and power cable)	18.7 lbs (8.5 kg)
Function temperature range	32 - 104 °F (0 °C - +40 °C)
Cross-section charging cable	5 mm ²
Length of the charging cable	9.8' (3 m) twin cable
Protection type	20 D

BAT6120-US also includes:

Battery charger, Detachable charging cables (3 m–25 mm²), AC Power cord, Wall mount, User manual including safety instructions.

Efficient Battery Charging Curves

