

HDBC20

**Workshop 6/12/24V 20A*
12,000mA BATTERY
CHARGER
Manual and
Automatic**



“ With plenty of power, engine start facility and the ability to charge 6, 12 or 24V batteries, it is perfectly suited to mechanical workshops and auto electricians. ”

FEATURES

Multi Voltage Operation

Suitable for charging 6, 12 or 24 Volt batteries.

Manual Charge

When used by experienced operators it can be used to deliver an equalization charge to balance the voltage in the battery's cell.

Automatic Charge

Leave connected to the battery without the risk of overcharging. The charger automatically controls its output when the battery is full, and maintains it in a fully charged state.

0–14 Hour Timer

Automatically turns the battery charger off after set time. Can be set at 60 min intervals.

Engine Start

If you need to get going and the battery is flat then the engine start will help you out. Connect the charger to the battery, set it to engine start mode for 5 minutes, then start your engine.

L.E.D Voltage/Amp Display

A volt meter determines the battery charge level while the Amp meter displays how much power is being delivered into the battery.

Thermal Overload/Polarity Protection

Prevents the output leads from sparking due to accidental reverse connection or short circuit, increasing safety.

SPECIFICATIONS

PART NO.	HDBC20
TYPE	Manual and Automatic
INPUT	240V, 50Hz, 300W
OUTPUT	12,000mA (20A RMS*) at 6.0V, 12,000mA (20A RMS*) at 12.0V, 7,700mA (13A RMS*) at 24.0V
ENGINE START	3 cycles 5 min on, 20 min off 6V 12V 24V 50A at 3.6V 50A at 7.2V 25A at 14.4V
CHARGE CONTROL	6V 12V 24V Cut out: 7.1V 14.2V 28.4V Cut in: 6.7V 13.4V 26.8V Start: 0.0V 0.0V 0.0V

APPROVALS Electrical Safety, EMC

L.E.D CHARGE INDICATION

● RED LIGHT FLASHING	Overload
● SECOND RED LIGHT ON	Power on
● SECOND RED LIGHT FLASHING	Reverse connection
● AMBER LIGHT ON	Charging
● GREEN LIGHT ON	Fully charged

L.E.D SCREEN Voltage/current

BATTERY CHARGE TIMES

HDBC20	VOLTAGE	BATTERY SIZE	CHARGE TIME
AUTOMOTIVE	6, 12, 24V	450–1200CCA	6–15 hrs
MARINE	6, 12, 24V	600–1400MCA	8–18 hrs
DEEP CYCLE	6, 12, 24V	65–160Ah	8–18 hrs

* The term "20A" as opposed to "12,000mA" is an Amps RMS rating used as an industry reference and not the actual DC output.