



## 8 STAGE 6/12/24V 3–40A WORKSHOP BATTERY MANAGER



- 8 Stage Automatic Charging
- Testing & Diagnostics
- Power Supply
- Recovery Modes

- All-in one solution for battery testing, charging and maintenance
- 8 stage automatic and manual 3–40A charging
- Multi-chemistry, multi-voltage 6–24V operation

Projecta presents an evolution in vehicle battery maintenance. The HDBM4000 is your complete workshop battery manager: an all-in-one solution for testing, charging and maintaining batteries of multiple chemistries and voltages, including stop/start batteries found in modern vehicles. Unlike conventional 40A workshop chargers, the unit is very light and compact with a tough housing and long 3 metre leads.

Simple to use, upon connection HDBM4000 will automatically set an ideal charge rate (3–40A), also manually adjustable. With multi-chemistry battery selection, including a cold temperature mode, the advanced 8 stage charging program can rejuvenate sulphated batteries and remove acid stratification from calcium batteries, ensuring a full charge and optimum battery condition.

More than just a battery charger, HDBM4000 will analyse overall battery condition, testing charge level and starting capacity, plus a test for alternator faults. As a power supply, it can deliver clean and stabilised power during diagnostics testing to ensure stable and accurate readings. During battery replacement, a constant voltage is maintained to ensure vehicle memory settings are retained.

A clever engine start mode will deliver a short and powerful charge that can have a vehicle ready to start in 5 minutes, whilst a show room mode allows the unit to operate silently, ideal for night-time and show room environments. Accessories such as the wall mount allow for neat storage and convenient access near a vehicle hoist, whilst optional 6 and 10 metre leads provide extended reach in the workshop.



### SUITABLE FOR 6, 12 OR 24V VEHICLES



### BATTERY TYPES





## FEATURES



### SMARTER CHARGING

**6, 12 or 24V Operation**  
Adjustable to suit 6, 12 or 24V application

**Auto/Man Charge Rate**

Automatically adjusts the charge setting to best suit the battery. Or alternatively manually set the charge settings, maximising battery life and performance

**Multi Chemistry**

Set the charging profile to suit Wet, Calcium, AGM or Gel battery types

**Silent Charge**

Delivers a silent charge ideal for night operation or show room environments



### TESTING & DIAGNOSTICS

**Alternator Testing**

Check the vehicle's alternator for faults

**Starting Capacity**

Check the vehicle's starting capacity

**Voltage Test**

Measure the batteries charge level



### RELIABLE POWER SUPPLY

**Diagnostic Mode**

Delivers a clean and stabilised power supply, ideal for use during diagnostic operations ensuring accurate vehicle test results

**Show Room Mode**

Monitors and maintains the charge rate of the vehicle's battery, ideal for vehicles kept in show room environments

**Memory Saver**

Maintains constant voltage ensuring vehicle's memory settings are retained during battery replacement



### BATTERY CARE & RECOVERY

**Desulfation Charge**

Reguvenates sulphated batteries via a high frequency pulse, removing sulphate from the batteries lead plates

**Equalisation Charge**

delivers a full hydrometer reading to calcium batteries by removing acid stratification maximising battery life

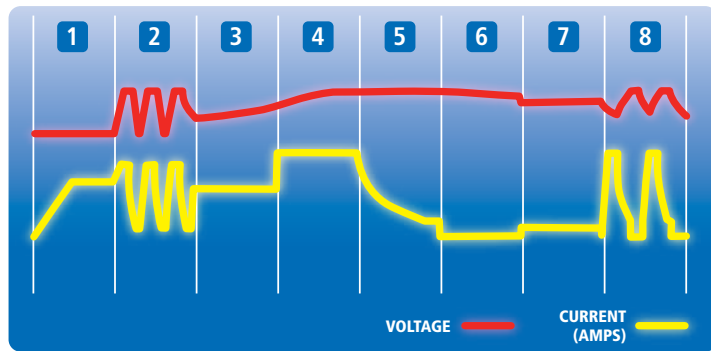


### ENGINE START

Delivers a fast charge of 70A for 3 seconds (30 second cycles) to help you get going quickly



## 8 STAGE AUTOMATIC CHARGING



1. CHECK
2. DESULPHATION
3. SOFT START
4. BULK
5. ABSORPTION
6. ANALYSIS
7. FLOAT
8. PULSE

### CHARGING TIMES:

	6 & 12V Battery Range	24V Battery Range	Charge Time (hrs)
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100-3700    100-2000    6-15



120-4600    120-2300    8-18



14-600    14-300    7-17

## OPTIONAL ACCESSORIES



**Docking Station Bracket**  
P/No. HDBMMNT



**6m Lead & Battery Clamps**  
P/No. HDBM6L

**10m Lead & Battery Clamps**  
P/No. HDBM10L



## SPECIFICATIONS:

<b>Type</b>	Automatic		
<b>Input:</b>	240V, 50Hz, 600W		
<b>Output:</b>	3-40A at 6V 3-40A at 12V 3-20A at 24V		
<b>Engine Start:</b>	12V only 70A 3 sec		
	<b>6V</b>	<b>12V</b>	<b>24V</b>
Auto:	7.2V	14.4V	28.8V
Auto: *	7.7V	15.4V	30.8V
Gel:	7.2V	14.4V	28.8V
AGM:	7.35V	14.7V	29.4V
Wet:	7.7V	15.4V	30.8V
Calcium:	8.0V	16.0V	32.0V
<b>Float Voltage:</b>	6.7V	13.5V	27.0V
<b>Start Voltage:</b>	2.0V		
<b>Back Drain:</b>	20mA	50mA	80mA
<b>Approval:</b>	Electrical Safety, EMC		

<b>Part No.</b>	<b>HDBM4000</b>
<b>Description</b>	8 Stage 6/12/24V 3-40A Workshop Battery Manager
<b>Barcode</b>	9315219400000
<b>Availability</b>	Ex Stock
<b>Carton Qty.</b>	Box (1)