

# 6/12/24V AUTOMATIC 40 AMP 8 STAGE BATTERY MANAGER



## PART NO HDBM4000

Perfect for the modern professional workshop, the Battery Manager has the power and functions needed for today's high tech vehicles. Engineered and manufactured by leading European charger specialist Telwin, it boasts the very latest in battery management. Supplied standard with removable leads and the option of extended leads if needed.

## FEATURES

### Multi-Voltage Operation

Adjustable to suit 6, 12 or 24 Volt operation

### Customise Charge Profile

Adjustable output for different battery sizes and chemistry type selection to suit Wet, Calcium, AGM and Gel

### Testing & Diagnostics

Sophisticated functions to accurately test a vehicles alternator for faults, starting capacity as well as measure voltage levels

### Engine Start

Delivers a fast charge of 70A for 3 seconds (30 sec cycles) to start vehicles with a flat battery (subject to battery condition)

### Power Supply Mode

Maintains constant voltage allowing vehicle diagnostics or to retain settings during battery replacement



## SPECIFICATIONS

PART NO	HDBM4000			
TYPE	8 Stage Automatic			
INPUT	240V, 50Hz, 600W			
OUTPUT	3-40A at 6V 3-40A at 12V 3-20A at 24V			
ENGINE START	12V only 70A for 3 secs			
CHARGE CONTROL		<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
FLOAT VOLTAGE	6.7V	13.5V	27.0V	
MINIMUM START VOLTAGE	2.0V			
BACK DRAIN	20mA	50mA	80mA	
APPROVALS	Electrical Safety, EMC			

## BATTERY CHARGE TIMES

HDBM4000	6 & 12V BATTERY RANGE	24V BATTERY RANGE	CHARGE TIME
AUTOMOTIVE (CCA)	100-3700	100-2000	6-15 hrs
MARINE (MCA)	120-4600	120-2300	8-18 hrs
DEEP CYCLE (AH)	14-600	14-300	7-17 hrs



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