



IBS-DBS | IBS-DBR

**SOLUTIONS FOR
DUAL BATTERY SYSTEMS
MANAGEMENT**



APPLICATIONS



Ambulances

4WD

Rally

Limousine

Road Transport

Marine

Camper

Police

Special Forces

Military Vehicles



Excellence in Engineering

PRODUCTS

IBS - DBS

IBS DUAL BATTERY SYSTEM WITH DISPLAY

Part Numbers

IBS-DBS 12V

IBS-DBS 24V

RBM

RELAY BOOSTER MODULE FOR IBS-DBS

Part Numbers

RBM 12V

RBM 24V

RMS

RUGGED MOUNTING FOR IBS-DBS DISPLAY

Part Numbers

M400000

M400001

M400003

M400005

M400000

M400002

M400004

M400006

IBS - DBR

IBS DUAL BATTERY RELAY

Part Numbers

IBS-DBR 12V

IBS-DBR 24V

1

2

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IBS-DBS

The IBS Dual Battery System protects against the risk of an empty starter battery providing a reliable and safe vehicle start in every condition.

The product manage the starter and auxiliary battery and connects them in automatically for charging when the vehicle is running. In an emergency situation batteries can be connected together to ensure the vehicle start even when the starter battery is empty or defective.

IBS-DBS has an elegant display to show the level of charge of both batteries and manually connect/disconnect manually the batteries.

Battery Voltage (Energy Level) Display through multi colored LED indicators. Three colors offer quick visual representation of the battery state.

In addition to the visual the monitor features an audible alarm that sounds in a low battery situation.



IBS - DBS Features

- Bright display or Dim display for night drive
- Low Battery Alarm on both batteries (Beeping and flashing LEDs)
- Link Failure alarm (beeping and flashing LED)
- Link Deactivation in case of aux battery failure.
- Bi-Directional Automatic Battery Linking
- Manual Battery Link - 30 & 120 minutes
- 24V System available (IBS-DBS 24V)

IBS - DBS comes in a “ready to mount” kit including:

- Heavy duty relay for battery separation
- Wire harness
- Cables
- Automotive connectors

RBM

The RBM (Relay Booster Module) performs a Link Start from auxiliary battery even if the starter battery has failed completely. RBM fits into the wiring of the IBS 200Amp relay. RBM improves the link start support to 100%, if sufficient charge is still available in the auxiliary battery.

In the case of a deep discharge of the starter battery (start up of engine from starter battery is no longer possible), the "Link" button on the IBS battery monitor (IBS-DBS/BM3 or DBi-DBS) is pressed.

With the support from the RBM at starter battery voltage below 10V the start of the engine from the Auxiliary Battery (AUX) would be activated.

In very cold weather or when starting capacity is reduced the RBM supports the relay to make sure the contacts stay properly closed during link start, this extends the relay life.



Compatible only with uC logo IBS-DBS systems

RMS

The IBS-DBS battery system can be offered with the durable RMS mounting system. In the battery monitor kit an assembly counter plate (M400000 - M400001) is contained for screwing or sticking. Other mounting systems are available:



IBS-DBR

The IBS-DBR (Dual Battery Relay) is the most integrated Dual Battery Management System on the market. Within the IBS Hi- Performance 200A/12V or 100A/24V Relay operates a full MicroComputer system monitoring and controlling the dual battery setup. 15 years experience took place in this very smart relay handling up to 500Amp cross current between the 2 batteries.

Advantages:

- IBS-DBS functions
- Under bonnet installation
- External emergency switch for full link start support
- RBM (IBS Relay Booster Module) function integrated for a safe Link Start
- Lowest consumption <1mA
- Optical isolated link terminal to protect internal electronics against misuse
- Extended automotive temperature range -40°C to + 105 0C
- Waterproof setup, made for under bonnet installation
- 24V System available (IBS-DBR 24V).

