



*Intellitec*

*Introducing  
The Battery  
Guard 3000*

*Keeping you moving  
since 1976*

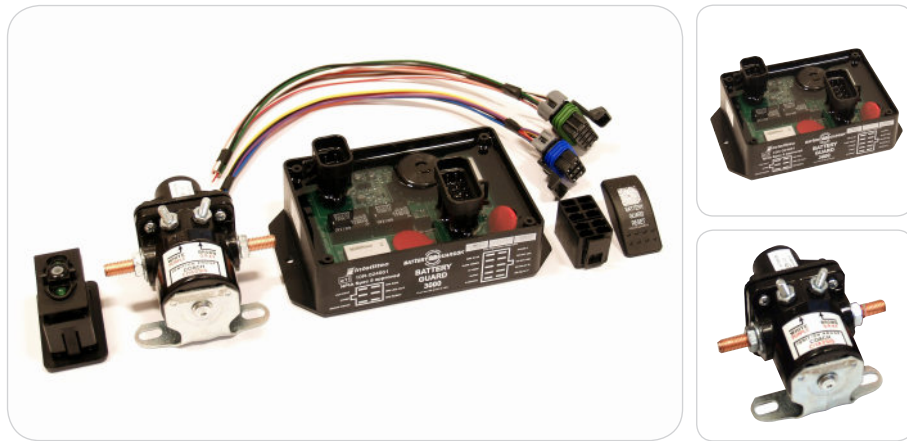
**BATTERYGUARD3K**  
STARTING POWER GUARANTEED



## Introducing the Battery Guard 3000 from Intellitec MV

Battery Guard 3000 is a fully programmable power management system and is available in 12V & 24V and in 100A & 200A variations. The system operates by constantly monitoring the available battery power when the engine or charging source is turned off.

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### Key Features

- No more dead batteries
- Fully programmable power management system
- Manual battery isolator
- Programmable alarms
- Intelligent split charging
- Records low voltage events
- Does not affect OE CANBUS systems
- LED diagnostics
- IP67 ECU & Connectors

Should the battery voltage drop below a preprogrammed level of both voltage & time, the system isolates all the electrical loads that are wired through the Battery Guard relay to ensure power is reserved for engine starting. At this stage the vehicle operator would need to press the flashing Battery Guard reset switch and power to ignition is restored.

Battery Guard 3000 also provides manual battery disconnect via the reset switch, this function is also programmable to suit any OEM or customer specific application.

Within the Battery Guard 3000 ECU is an audible alarm, this can be referenced in the GUI tool and linked to any voltage and time parameter the installer deems to suit the specific application. Within the ECU is also

two programmable 10A outputs, these can be used to switch other external alarms or devices as the customer may require, for example in a truck application with a lift gate, you may want an audible alarm out by the lift gate to warn of low battery condition. Battery Guard 3000 can also be configured to function as an intelligent split charge solution if the vehicle utilizes a chassis and auxiliary battery configuration.

The Battery Guard 3000 ECU also has the ability to record every low voltage disconnect and also manual disconnect, this data can be very valuable for fleet engineers. The Battery Guard 3000 GUI tool is Windows based and is supplied free of charge. Communication between PC & the Battery Guard 3000 ECU is via RS232, the GUI is very user friendly, training is available if required.

Kit Part numbers	K95	K96	K97	K98
Specification	100A 12V	100A 24V	200A 12V	200A 24V
Nominal operating current	12V	24V	12V	24V
Actuation current	3.0A	1.2A	3.0A	1.2A
Min actuation Voltage	9.0V	18V	9.0V	18V
Max continuous carry current	100A	100A	200A	200A
Max short term carry current ( 30 seconds )	500A	500A	1200A	1200A
Ambient temperature	-40 to +85C	-40 to +85C	-40 to +85C	-40 to +85C
Contact life at full load	Min 10,000 cycles	Min 10,000 cycles	Min 10,000 cycles	Min 10,000 cycles
Stand by current	10mA	18mA	10mA	18mA
Short term over voltage	+24V	+36V	+24V	+36V
Reverse voltage protection	-800v	-800v	-800v	-800v
Positive voltage spike protection	+150v	+150v	+150v	+150v
Maximum actuation time	0.2 seconds	0.2 seconds	0.2 seconds	0.2 seconds

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