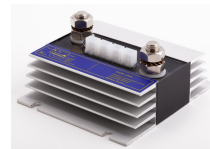
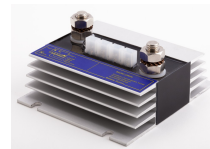


Battery Guard (battery protect range)

The Battery Guard is a Microprocessor controlled, solid state, switch (FET). The battery voltage is constantly measured and an alarm output will be activated when the battery voltage is too low for 15 seconds. This alarm output can be connected to a buzzer or small lamp. If there are no changes within the next minute the Battery Guard will disconnect the consumers; the alarm will be discontinued. When the battery voltage is much too high the consumers will be disconnected immediately and the alarm (contact) will be activated alternating on and off.


BG40

BG60

BG100

BG200

ELECTRICAL SPECIFICATIONS

Nominal input voltage	12V (7V-19V) / 24V (19V-32V) Autodetect			
Nominal output voltage	Equal to input voltage			
Peak current	120A	120A	240A	480A
Maximal output current	45A	65A	110A	210A
Continuous output voltage	40A	60A	100A	200A
Overload protection	45A	65A	105A	210A
Short circuit protection	Yes (in driver			
Overvoltage protection	16V (12V system), 32V (24V system)			
Undervoltage protection	adjustable by user (see manual)			
Current consumption (stand-by)	± 2mA			
Current consumption (active)	± 4mA			
Voltage drop	0.1V @ 40A	0.15V @ 60A	0.125V @ 100A	0.125V @ 200A
Voltage accuracy	2%			
Current accuracy	20%			

GENERAL INFORMATION

Ambient temperature (active)	-10°C to +40°C
Ambient temperature (storage)	-25°C to +85°C
Switch off time at undervoltage protection	60 seconds
Remote input	Yes- Switch to minus (-) [not included]
Alarm output	Yes, switch to minus (-)
Overheat protection	Yes (in driver FET)

MECHANICAL SPECIFICATIONS

Connection Input/Output	M6	M10
Connection Minus/Remote/Prog	Faston 6.3mm	
Dimensions (H*W*D)	82*41*65mm	61*112*120mm
Mounting holes	ø 4mm	ø 6mm
Weight	185 gr	730 gr
Casing	Anodized aluminum (blank)	
Color resin	Black	
IP-code	IP66	



Intellitec

Tel : 0151 482 8970 Email : sales@intellitecmv.com

www.intellitecmv.com

Ref : DS-AR-BP

Voltage Setting Options

12 Volt mode		
	undervoltage	reset
Position 1*	10,5 V	12 V
Position 2	10 V	11,5 V
Position 3	9,5 V	11,5 V
Position 4	11,25V	13,25V
Position 5	11,5 V	13,8 V
Position 6	10,5 V	12,8 V
Position 7	11,5 V	12,8 V
Position 8	11,8 V	12,8 V
Position 9	12 V	13 V
Position 10	10 V	13,2 V

24 Volt mode		
	undervoltage	reset
Position 1*	21 V	24 V
Position 2	20 V	23 V
Position 3	19 V	23 V
Position 4	22,5 V	26,5 V
Position 5	23 V	27,6 V
Position 6	21 V	25,6 V
Position 7	23 V	25,6 V
Position 8	23,6 V	25,6 V
Position 9	24 V	26 V
Position 10	20 V	26,4 V

alarm function	
Position 11*	Normal alarm
Position 12	Relay function

alarm function	
	Normal alarm
	Relay function

Default positions 1 and 11

Wiring Schematic

