

## data sheet **Battguard ... low voltage battery and supply protection**

**12 volt** .....125 amp P3184 part number .... 13184-100

**12 / 24 volt** .... 250 amp P3124 part number .... 13124-100

### contactor current rating

	<b>125 amp 12 volt</b>	<b>250 amp</b>
continuous .....	125 amp	250 amp
Intermittent .....	200 amp	375 amp 5 minute
rupture max .....	200 amp	375 amp

**operation** .....low battery power lock-out  
 disconnect ..... 11.9V / 23.8V  
 engage voltage ..... 12.5V / 25.0V  
 adjustment ..... contact drop out and engagement  
 protection ..... waterproof to IP66 125 amp

### display

type ..... 10 dot bar-graph x 1  
 display ..... battery voltage  
 emergency override .... power supply for a 4 minute timed period.

**system protection** . . 3 internal PTC fuses, auto re-set

### size / weight

contactor .....	70 x 60 x 100 mm / 500 gms
contactor ..	175 x 140 x 135 mm / 1.9 Kgs
display .....	100 x 60 x 50 mm / 100 gms

### background

The **P3000** was first introduced in 1982, designed to maintain a power reserve for critical equipment, rather than isolating batteries just to extend their life as some copies do. After all the batteries primary job is to supply power to critical equipment, extended battery life comes from correct use.

Extensive development based on user feed back and changes in modern power requirements has maintained a user package that few other firms can match, providing ease of installation, battery power monitoring and full control function.

### contactors

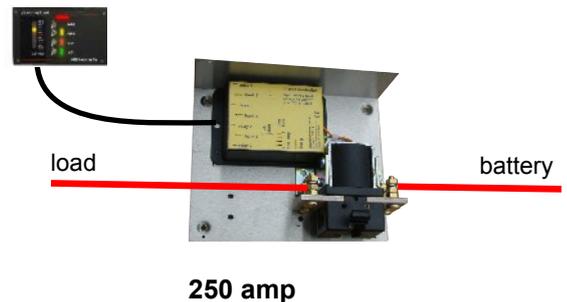
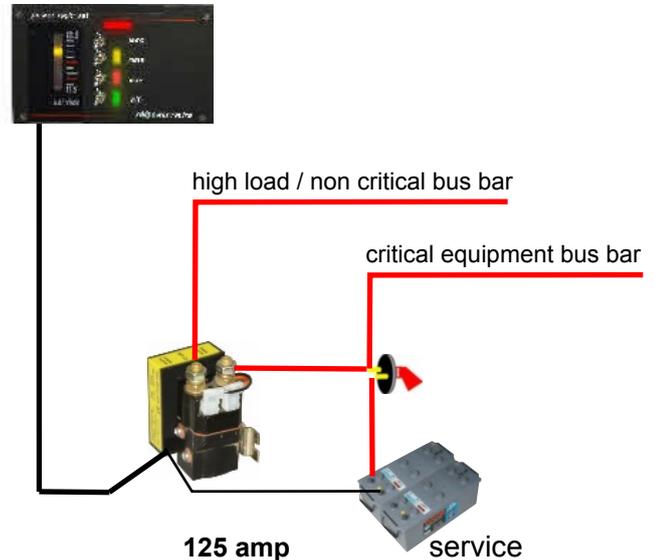
The system employs heavy duty contactors, these carry far higher loads than typical relays, they also feature a high fault current rupture rating ( upto 375 amp to UL508 ), allowing the disconnection of high current loads.

250 amp units are latching and have zero coil load during operation, they also featuring manual override.

### control panel

Where other firms supply a warning light to tell you that power has been cut, **Powercentre** have always employed a pre warning system. To-day we fit a 10 bar voltmeter, allowing battery level monitoring leading to power lock-out, plus what the reserve power level is to maintain critical systems. Custom systems can be supplied, including voltages to 48 volt DC and IP66 enclosures.

The audio / visual alarm gives warning of a trip, a mute switch with warning LED, while the override switch provides a 4 minute supply for emergency use. Manual engage allows power to be minimised to extend battery life and supply to critical circuits, while the off switch gives full power to a flat battery situation if needed. Switches can be omitted to special order.



**standard control unit full size 100 mm x 60 mm x 50 mm deep**

