

## split charge / battery monitoring

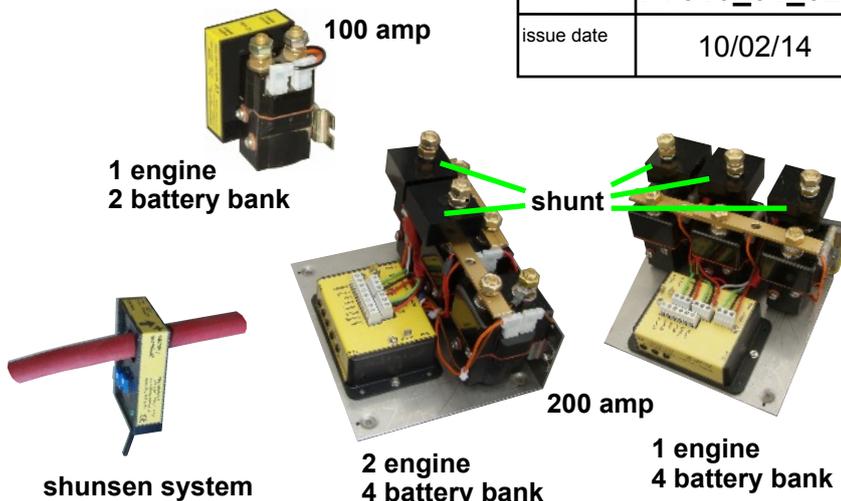
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**Powercentre** switch panel integrate the P2000 advanced VSR system with all voltage pick-ups and shunts for current pick-up pre-fitted, only needs power cables and suitable fuses fitted to complete the installation.

**Shunsen** system provides remote shunts, while preventing overloads to the charge system from inverter running with low service battery power, also providing over voltage drop-out and reverse current flow from service battery bank.

### split charge option

- 1 engine, 2 bank, 3 bank, 4 bank
- 1 engine 2 alternator 3 bank, 4 bank
- 2 engine 2 bank, 3 bank, 4 bank



## displays

**Powercentre** switch panels offer bar-graph displays that allow monitoring amps and volts for all battery banks simultaneously. For a more detail the digi-bar option integrates a digital display for a detail read-out. Installation requires only a data cable between **VSR** and display.

Water tank level monitoring can be included that displays on the ammeter bar-graph.

Navigation light mimic shows light operation, switches are inter-locked to ensure correct lights are shown. Bulb failure indication due shortly.



## remote high load circuit breaker

**Powercentre** switch panels can be supplied with remote circuit breakers, providing high power circuits were loads exceed the switch rating. Being remote, it provides flexibility for installation, allowing the shortest cable run from battery isolator switch to the load, not via the switch panel, thus saving volt drop, cable and cost.

Operation is the same as any other switch on the panel, switch on and the indicator light will show operation, if the remote circuit breaker trips, the warning light comes on. To reset a tripped breaker, switch off and wait 1 a minute, the circuit breaker will reset if the fault is not permanent. If the circuit breaker fails to reset there is a permanent fault that needs correction, the circuit breaker will then reset.

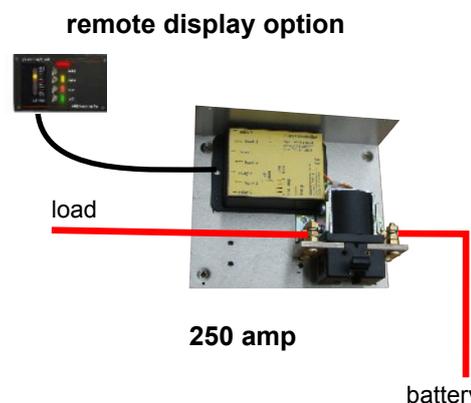


remote circuit breaker

## low voltage battery protection

**Powercentre** switch panels can be fitted with battguard, this isolates high load circuits to minimise battery drain and maintain a reserve for critical systems, while extending battery life.

This system includes a control panel, integral or remote, with a 10 bar voltmeter, allowing battery level monitoring prior to power lock-out, plus what the reserve power level is to maintain critical systems. The audio / visual alarm gives warning of a trip, includes 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.



## output connectors

**Powercentre** custom switch panels are pre-wired totally, including the positive output cables, the negative cables being terminated at a negative bus-bar on the bulkhead behind the switch panel. This allows all the boat wiring to be terminated at two fixed terminal points, making wiring the boat simpler, on completion just plug the switch panel in.

The connection may be multi-way connector block, with male and female connector pins ( see photo ), or we can supply water protected auto motive style connector block.

