PV Protection Switchboard





- Two Part Design
 - 1. Secondary Protection Relay board
 - 2. PV AC distribution board
 - Single board configuration is also available on request.

Advantages of Two Part configuration

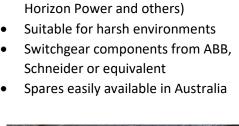
- Power and Control circuits separated
- The two switchboards do not have to be located together
- The control part can be attended to without shutting down the power circuit

Secondary Protection Relay Board

- Protection Relay ComAp, Woodward, SEL, configured
- Factory Injection Testing for Protection Relay
- Power Supply with optional battery back-up

Options:

- Failsafe wireless link between Relay and PV switchboards where cabling is not possible
- Energy meter (NMI or Standard)
- Energy meter with Power Quality
- Remote Monitoring and Management
- Reverse Power Control
- 3G/4G GSM Modem



Meets the requirements of the Network Provider (Western Power,



PV AC distribution board

Standard Range

Rated Capacity	100kVA	150kVA
Incoming Isolator	160A	250A
Inverter Feeders	4	6
Inverter Circuit Breakers	50A (suitable for 30kVA inverter)	50A (suitable for 30kVA inverter)
Contactor (AC1 Rating)	160A	225A
Operating Temperature	0°C to 50°C	
Protection	IP54	
Construction	Wall mounted. Grey, powder coated steel	
Standards	AS3000, AS3439, AS61439 and other relevant Australian and	
	International standards	
Size H x W x D (mm)	500 x 500 x 260	600 x 500 x 260
Weight (kg)	30	38

Other Variants

- Suitable for 50kVA and 60kVA inverters
- Suitable for Micro inverters

Custom Designs

- Dual Relay protection, if required
- Special Relay for NVD protection. Required for HV connected systems.
- Custom configurations are available, depending on the site requirements
- For larger systems up to 1000kVA multiple custom switchboards are offered
- Flexible Electronic CTs where ordinary CTs cannot be used