



SPECIFICATION		Power Protection and 4G Monitoring Case
Description	Provides protection and 4G monitoring of a single phase connection to a load. Single phase circuit protection and 4G monitor (remotely monitored) supplied in an industrial type case.	
Circuit Rating	40A. Circuit protected by a 40A, single phase miniature circuit breaker with D curve.	
Phases	1	
Frequency (Hz)	50	
Input Voltage Range	80 – 265 VAC, single phase	
Power Input Connection	1 phase, active, neutral and earth connection. Male 3 pin 32A socket provided on the side of case for supply input connection.	
Power Output Connection	1 phase, active, neutral and earth connection. Female 3 pin 32A socket provided on the side of case for supply output connection. An ON/OFF switch is supplied.	
Power Indication	Green indicator provided on the side of case for local indication, indicating incoming supply ON.	
4G Monitor	Real time measurement and monitoring of single phase voltage and current circuits, with 4G cellular communications with boost antenna. Class 1.0 accuracy using a split core current transformer. Measurements displayed on cloud based dashboard.	
Power Input Monitoring	Local indication and remote monitoring via the 4G monitor.	
User Interface	4G monitor dashboard accessible by Wi-Fi connected device. Login and password protected.	
Construction & Mounting (Case)	Steel case rated for internal or external installation with IP rating IP65. Case comes mounted on an aluminium frame with 10mm mounting holes at the base of the frame for bolting to the floor. The top of the case is 1700mm from the floor.	
Dimensions (Case)	600mm wide x 200mm deep x 400mm high (Note: Additional width of 335mm required to allow for the input and output sockets on the side of the case and additional depth of 1000mm required to allow for the aluminium frame feet).	
Weight (Case and Frame)	60kg	
Ambient Temperature Range	-5°C to +55°C	
General Purpose Outlet	16A Female single phase general purpose outlet provided on the side of the case for connection of power tools. This circuit is protected by a 16A RCBO mounted inside the case.	
Anti-Condensation Heater	Thermostat controlled 30W heater provided for anti condensation.	
Standards	Case is designed, wired and tested as per AS61439 – Low Voltage Switchgear and Control Assemblies.	
Maintenance	No maintenance required, visual inspection during site maintenance program.	
Warranty	1 year	
Manufacturing Centre	Australia	
Optional Accessory	Single phase 32A power lead for connection from the power output connection of the case to the load.	





iStar Energy Monitor

Configuration Options

The power protection and 4G monitoring case is available in 1 and 3 phase variants.

Other configuration options include:

- Various range of CT's may be provided.
- 4G or Wi-Fi networking.

The protection level is automatically configured in the factory to operate with the steady state load current.

The various protection case and mounting frame options are described in the tables below;

Table 1
Protection Case Options

Model #	# phases	Voltage	Current	MCB	Networking
PMC-01-265-60-40-4	1	80-265 V AC	60 A	40 A	4G
PMC-01-265-60-50-4	1	80-265 V AC	60 A	50 A	4G
PMC-01-265-120-63-4	1	80-265 V AC	120 A	63 A	4G
PMC-01-265-60-40-W	1	80-265 V AC	60 A	40 A	Wi-Fi
PMC-01-265-60-50-W	1	80-265 V AC	60 A	50 A	Wi-Fi
PMC-01-265-120-63-W	1	80-265 V AC	120 A	63 A	Wi-Fi
PMC-03-460-60-40-4	3	139-460 V AC	60 A	40 A	4G
PMC-03-460-60-50-4	3	139-460 V AC	60 A	50 A	4G
PMC-03-460-120-63-4	3	139-460 V AC	120 A	63 A	4G
PMC-03-460-60-40-W	3	139-460 V AC	60 A	40 A	Wi-Fi
PMC-03-460-60-50-W	3	139-460 V AC	60 A	50 A	Wi-Fi
PMC-03-460-120-63-W	3	139-460 V AC	120 A	63 A	Wi-Fi

Table 2
Protection Case Mounting Frame Options

Model #	# phases	Mounting Frame
PMC-01-MTGFR	1	Aluminium Mounting Frame
PMC-03-MTGFR	3	Aluminium Mounting Frame



Power Protection and 4G Monitoring Case Mounted on a Frame



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