

Specification	Value
Steady State Operating Voltage Range	180 – 277V (L-N)
Continuous Rating	40kVA
Maximum Continuous Rated Current	63.5A
Reactive Power	-40kVAr to 40kVAr
Reactive Power Control	Continuous
Active Power Control	Ability to transfer active power between phases
Active Power Transfer Limit	Neutral current limited to rated current
Nominal Frequency	50Hz
Ambient Temperature	-40°C to 50°C
Maximum Solar Loading	1100 W/m ²
Heatsink Cooling	Speed controlled fan
Efficiency	98.50%
Current Harmonics	<4% THD at full load
Output Switching Frequency	24kHz
Audible Noise	<45dBA at 1m
Communications	Ethernet interface to Cellular Modem, DNP3 & Modbus protocol supported
Anti-Islanding	Active and Passive as per AS/NZS 4777.2:2020
Voltage Dip Support	Voltage dips to 130V supported via injection of maximum reactive power
Enclosure	Powder-coated 304 Stainless Steel, “surf-mist” colour
Mechanical Protection	IP56
Mounting	Pole mounted via coach bolt or pole straps
Dimensions (H x W x D mm)	1109 x 665 x 478
Weight	Approx. 80kg
Standards Compliance	Designed to AS/NZS 4777, AS IEC 62477.1, AS/NZS 61000.3.11, AS/NZS 61000.3.12, AS/NZS 60529