

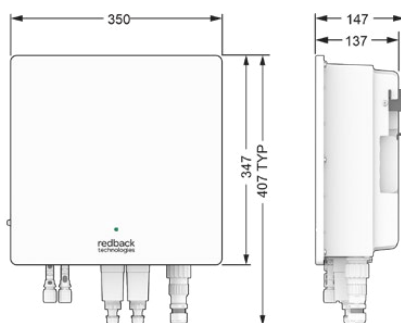
The Smart Inverter

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System Information Pack

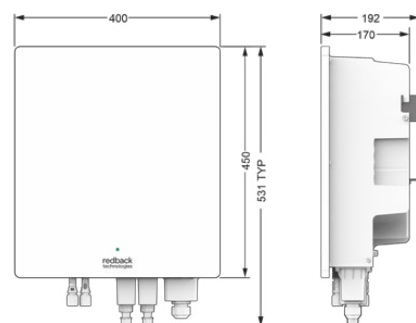


Smart Inverter

Product Model	SI5000	SI6000	SI8000	SI10000
PV Port				
Number of MPPTs	2		2	
Strings per MPPT Input	1/1		2/1	
MPPT Operating Voltage (range)	DC 70 - 540V		DC 70 - 540V	
Maximum Input Voltage (Vmax)	DC 550V		DC 550V	
Maximum Current (Imp)	DC 13/13A		DC 26/13A	
Short Circuit Current (Isc)	DC 15/15A		DC 30/15A	
Grid Interactive Port				
Nominal Output Voltage	AC 230V		AC 230V	
Nominal Output Frequency	50 Hz		50 Hz	
Max. Output Current	AC 25A	AC 27.3A	AC 40A	AC 45.5A
Rated Output Apparent Power	5000VA	6000VA	8000VA	10000VA
Peak Output Apparent Power	5500VA	6000VA	8800VA	10000VA
Power Factor (range)	0.8 lagging to 0.8 leading			
Output Voltage THD	<3%			
General Information				
Operating Temperature	-25°C to 60°C			
Operating Relative Humidity	0 - 100%			
Operating Altitude	0 - 4000m			
Protective Class	I			
Ingress Protection Rating	IP65			
AC Overvoltage Category	OVC III			
DC Overvoltage Category	OVC II			
Active Anti-islanding Method	Frequency Shift			
Inverter Topology	Non-isolated			
Country of Origin	China			
Demand Response Modes	DRM 0			
Standby Self-Consumption	<6W			
Noise Emissions	<30 dBA			
Warranty	10 Years			
Efficiency				
Maximum Efficiency	97.3%			97.5%
European Efficiency	96.5%			96.8%
Physical Data				
Installed Weight	8.5kg			16kg
Material	Aluminium			
Finish	Sealed and powder coated			
PV Port Isolator				
Utilisation Category	DC-PV2			
Communications Ports and Protocols				
Relays	Direct IO; on kWh Meter			
User Interface				
Front Panel Display	Coded, coloured LED			
	Bluetooth for commissioning;			
	Wi-Fi for remote access;			
Communications	Ethernet (Optional)			
	LTE (Optional - available late 2022)			
	NFC			
Remote Access	Web Portal; MyRedback App; Redback Install app			
Remote Firmware Updates	Supported			
Power/Energy Monitoring	Includes 1 x utility grade energy meter (class 1)			
	AS/NZS 4777.2:2020			
	IEC 62109-1:2010			
	IEC62109-2:2011			
	IEC 62116:2014			
Certifications and Approvals				
	IEC 60529			
	EN 61000			
	RCM			
	CE			
	AS/NZS 3000:2018			
Designed with Installation Standards Considered				
	AS/NZS 5033:2014 (inc. Amd 1 & 2)			



SI5000 & SI6000 Smart Inverter



SI8000 & SI10000 Smart Inverter