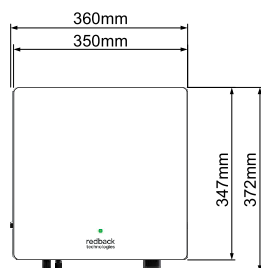
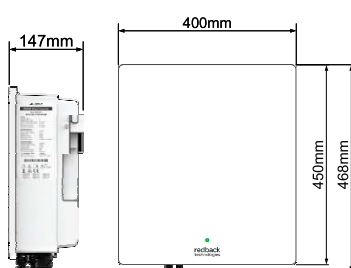


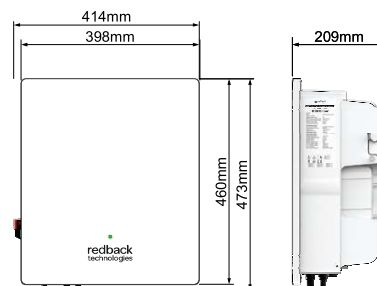
Smart Inverter & 3-Phase Smart Inverter



SI5000
Smart Inverter



SI10000
Smart Inverter



RED-I3-T10 & RED-I3-T15
3-Phase Smart Inverter

	SI5000	SI10000
PV Port		
Maximum PV Input Power ¹	7,500Wp	15,000Wp
Number of MPPTs	2	
Strings per MPPT Input	1/1	1/2
MPPT Operating Voltage (range)	DC 70 - 540V	
Start-up Voltage	DC 90V	
Maximum Input Voltage (Vmax)	DC 550V	
Maximum Current (Imp)	DC 13.5/13.5A	DC 13.5/27A
Short Circuit Current (Isc)	DC 20/20A	DCX 20/40A
Grid Interactive Port		
Max. Output Apparent Power	5,000VA	10,000VA
Nominal Output Voltage	AC 230V	
Nominal Output Frequency	50Hz	
Max. Output Current	AC 25.00A	AC 45.50A
Power Factor (range)	0.8 lagging to 0.8 leading	
Output Voltage THD	<3%	
General Information		
Operating Temperature	-25°C to 60°C	
Operating Temperature Derated Output	below 10°C and over 45°C	
Operating Relative Humidity	0-100%	
Operating Altitude	4000m	
Protective Class	I	
Ingress Protection Rating	IP65 (outdoors)	
AC Overvoltage Category	OVCIII	
DC Overvoltage Category	OVCI	
Active Anti-islanding Method	Active Frequency Shifting	
Inverter Topology	Non-Isolated	
Country of Origin	China	
Demand Response Modes	DRM 0	
Standby Self-Consumption	<6W	
Noise Emissions	<30 dBA	
Weight	8.5kg	16kg
Material	Aluminium	
Finish	Sealed and powder coated	
Warranty	10 Years	
Efficiency		
Maximum Efficiency	97.3%	97.50%
European Efficiency	96.5%	96.80%
PV Port Isolator		
Utilisation Category	DC-PV2	
Load Control		
Relays	Redback Smart Load Control using Direct IO; on kWh meter	
User Interface		
Front Panel Display	Coded, coloured LEDs	
Communications	Bluetooth for commissioning, Wi-Fi or ethernet for remote access	
Remote Access	Redback Portal or MyRedback app	
Remote Firmware Updates	Supported	
Power/Energy Monitoring	Includes 1 x utility grade energy meter (class 1)	
Product Compliance		
Certifications and Approvals	AS/NZS 4777.2:2020 • IEC 62116:2014 • IEC 60529 • RCM • IEC 62109-1:2010 • EN 61000 • RCM (LVD, EMC, RoHS directives) • IEC 62109-2:2011	
Designed with Installation Standards Considered	AS/NZS 3000:2018 • AS/NZS 5033:2021	

	RED-I3-T10	RED-I3-T15
PV Port		
Maximum PV Input Power ¹	15,000Wp	22,500Wp
Number of MPPTs	2	
Strings per MPPT Input	1/2	2/2
MPPT Operating Voltage (range)	DC 160 - 1000V	
Start-up Voltage	DC 180V	
Maximum Input Voltage (Vmax)	DC 1100V	
Maximum Current (Imp)	DC 15/30A	DC 30/30A
Short Circuit Current (Isc)	DC 20/40A	DC 40/40A
Grid Interactive Port		
Max. Output Apparent Power	9,999VA	16,500VA
Nominal Output Voltage	AC 380/400/415V	
Nominal Output Frequency	50Hz / 60Hz	
Max. Output Current	AC 14.50A	AC 23.91A
Power Factor (range)	0.8 lagging to 0.8 leading	
Output Voltage THD	<3%	
General Information		
Operating Temperature	-25°C to 60°C	
Operating Temperature Derated Output	below 10°C and over 45°C	
Operating Relative Humidity	0-100%	
Operating Altitude	4000m	
Protective Class	I	
Ingress Protection Rating	IP66 (Outdoors)	
AC Overvoltage Category	OVCIII	
DC Overvoltage Category	OVCII	
Active Anti-islanding Method	Active Frequency Shifting	
Inverter Topology	Non-Isolated	
Country of Origin	China	
Demand Response Modes	DRM 0	
Standby Self-Consumption	<1W (at night), <10W (standby)	
Noise Emissions	<30 dBA	
Weight	18.7kg	20.1kg
Material	Aluminium	
Finish	Sealed and powder coated	
Warranty	10 Years	
Efficiency		
Maximum Efficiency	98.00%	98.00%
European Efficiency	97.20%	97.40%
PV Port Isolator		
Utilisation Category	DC-PV2	
Load Control		
Relays	Redback Smart Load Control using Direct IO; on kWh meter	
User Interface		
Front Panel Display	Coded, coloured LEDs	
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Designed with Installation Standards Considered	AS/NZS 3000:2018 • AS/NZS 5033:2021	

¹Max PV Input Power is determined by the appropriate selection of panels within the MPPT voltage and current range, and actual design needs to be compliant to local regulation.