

Table 1: Grid-interactive inverters

Manufacturer/supplier	Model	Solar input voltage range	Operating voltage range	Power output (watts)		Oversizing capability	Efficiency (%)	Operating temperature range/derating	Display	Comms/connectability	Size (mm) W x H x D	Weight (Kg)	Comments	RRP (\$)	Warranty		
				Continuous	Maximum												
Genius Power / Altronics www.altronics.com.au	M 8139	120-275	120-275	800			>80		LCD		400 x 300 x 150	14	Pure sinewave, stand-alone remote power inverter for 12/24V battery banks (no grid connection)	\$1299	1 year		
	M 8144			1600							450 x 300 x 190	24		\$1349			
	M 8145			2400							450 x 300 x 190	32		\$2299			
	M 8148			4000							600 x 415 x 260	49		\$2999			
Delta Energy Systems (Australia) (03) 9543 3720 sales.australia@solar-inverter.com www.solar-inverter.com	H3	125-550	125-500	3000	3000	3780	97.0	-25°C to 60°C	LCD interactive display with push buttons	RS485	475 x 415 x 157	15	Transformerless single-phase inverter, IP65, built-in AC/DC isolation	POA	10 years		
	H3A	100-550	100-500	3000	3000	3780	97.5				475 x 415 x 155	21				Transformerless single-phase inverter, dual MPP trackers, IP65 protection, built-in AC/DC isolation switch and power limiting options available, asymmetrical loading, < 3% harmonic distortion, diecast casing	
	H4A		100-500	4000	4000	5000											
	H5A		100-500	5000	5000	6300											
	M6A	200-1000	200-800	6300	6300	7500	98.3				510 x 445 x 177	25				Transformerless 3-phase inverter, dual MPPT, IP65 protection, built-in AC/DC isolation switch and power limiting, asymmetrical loading, < 3% harmonic distortion, diecast casing	
	M10A		200-800	10500	10500	12500											
	M15A	200-1000	200-820	15000	15750	19000	98.4				612 x 625 x 278	43				Transformerless 3-phase inverter, dual MPP trackers, IP65 protection, built-in AC/DC isolation switch and power limiting available. Can support asymmetrical loading, < 3% harmonic distortion, diecast casing	
	M20A		200-820	21000	21000	25000											
	M230A		200-800	33000	33000	42000											98.5
	M50A		22-800	50000	50000	62500											
M80A	200-800		83000	83000	88000	98.8											
Enphase Energy Australia Pty Ltd (03) 8669 1679 www.enphase.com.au	S230	48	16-48	220 VA	230 VA		95.8				172x175x35	1.8	Complies with fixed power factor, voltage and frequency ride-through requirements. Remote updating to respond to changing grid requirements		10 years parts and 10 years repair and replace		
	S270	60	16-60	260 VA	270 VA		95.6				172x175x35	1.8					
Fronius Australia Melbourne (03) 8340 2900 www.fronius.com.au	Yet to supply data for this guide. Check online for updates at www.renew.org.au/photovoltaics/2016-inverter-buyers-guide																
GoodWe australia@goodwe.com.cn www.goodwe.com.cn	Yet to supply data for this guide. Check online for updates at www.renew.org.au/photovoltaics/2016-inverter-buyers-guide																
Ladder Technologies (02) 8005 6908 info@laddertech.com.au www.laddertech.com.au	LT-SWEA GTI-250	20-56	20-56	200	250		93 max		LED and RS232 PC interface		240 x 220 x 110	3.4	Parallelable up to 2000W with wind kit. Built in battery feed for time shifting PV	\$250	2 years		
Outback Power Systems mpower 1300 733 006 www.mpower.com.au	Yet to supply data for this guide. Check online for updates at www.renew.org.au/photovoltaics/2016-inverter-buyers-guide																
ReneSola 18 Corporate Blvd Bayswater VIC 3153 0402 413 115 www.renesola.com	Yet to supply data for this guide. Check online for updates at www.renew.org.au/photovoltaics/2016-inverter-buyers-guide																
Schneider Electric 78 Waterloo Road Macquarie Park NSW 2113 1300 369 233 www.schneider-electric.com	Conext CL 20000E PVSCL20E	350-800	250-1000	20000	20000	Up to 1.4	98 EU	-25°C to +60°C	Graphical LCD display + LED status indicators	RS485 (Modbus/RTU), ethernet (Modbus/TCP), USB, dry contact and keypad	678 x 1075 x 264 (including wiring box)	51kg (inverter) 19kg (wiring box)	IP65, convection cooled with fan assist, dual MPPTs, transformer-less design, DC isolation switch to AS5033, electrolytic capacitor-free design, embedded webserver, multiple wiring box options (AC & DC surge arrestors, touch-safe DC fuses, MC4 connections)	POA	5 years and 5 years optional extension		
	Conext CL 25000E PVSCL20E	430-800	250-1000	25000	25000			679 x 1075 x 264 (including wiring box)			51kg (inverter) 19kg (wiring box)						
Selectronic (Australia) Selectronic Australia 1800 006 474 (03) 9727 6600 enquiries@selectronic.com.au www.selectronic.com.au	SP PRO SPMC240	Not applicable	20-34	3000	7500		95	-10°C to 60°C	22 LEDs + graphical remote display option	USB, serial and ethernet	690 x 375 x 220	35	Off-grid or grid-connect battery backup in one unit Choose when to use grid, how much to export, when to export. Optimise self consumption. DC or AC coupled. Use 3 units for 3 phase. Australian-made	POA	3 to 10 years		
	SP PRO SPMC241		20-34	4500	10500	95	-10°C to 60°C	39									
	SP PRO SPMC481		40-68	5000	12000	96	-10°C to 60°C	40									
	SP PRO SPMC482		40-68	7500	18000	96	-10°C to 60°C	42									
	SP PRO SPMC1201		100-170	7500	18000	97	-10°C to 60°C	42									
	SP PRO SPLC1200		100-170	15000	33000	97	-10°C to 60°C	115									
	SP PRO SPLC1202		100-170	20000	38000	97	-10°C to 60°C	115									
	Selectronic Certified ABB PVI-3.0	160-530	140-580	3000	3300		97	-25°C to 60°C	two-line LCD	Wi-fi and serial	618 x 325 x 222	17.5	Managed AC coupling with a Selectronic SP PRO	5 years, extendable			
	Selectronic Certified ABB PVI-3.6	120-530	140-581	3600	4000												
	Selectronic Certified ABB PVI-4.2	140-530	140-582	4200	4600												
Selectronic Certified ABB PVI-5000	150-530	140-583	5000	5000						810 x 325 x 218	26						
Selectronic Certified ABB PVI-6000	180-530	140-584	5000	5000													

Table 1: Grid-interactive inverters (continued)

Manufacturer/supplier	Model	Solar input voltage range	Operating voltage range	Power output (watts)		Oversizing capability	Efficiency (%)	Operating temperature range/derating	Display	Comms/connectability	Size (mm) W x H x D	Weight (Kg)	Comments	RRP (\$)	Warranty						
				Continuous	Maximum																
Si Clean Energy 1300 876 771 orders@sicleanenergy.com.au www.sicleanenergy.com.au	INGECON SUN 2.5TL M	125-850	90-750	2500	2500		97.6		Graphic display		360 x 470 x 180	20	Single-phase, ultra-wide DC input voltage range, export power control enabled	POA	5 years						
	INGECON SUN 3TL M			3000	3000		97.7														
	INGECON SUN 4.6TL M			4600	4600		97.9					21									
	INGECON SUN 5TL M			5000	5000		98														
	INGECON SUN 6TL M			6000	6000		98														
	INGECON SUN 10TL M	200-1000	200-820	10000	10000		98.5				706 x 735 x 268	60	Three-phase, export power control enabled								
	INGECON SUN 15TL M			15000	15000		98.5														
	INGECON SUN 20TL M			20000	20000		98.5														
SMA Australia (02) 9491 4200 info@SMA-Australia.com.au www.SMA-Australia.com.au	SB 3000TL-21	125-750	175-500	3000	3000 VA		97		Full graphical		490 x 519 x 185	26	Ethernet and Bluetooth standard, will be AS4777.2:2015 compliant	POA	5 years; Optional 10, 15, 20 or 25 years						
	SB 4000TL-21	125-750	175-500	4000	4000 VA		97				490 x 519 x 185	26									
	SB 1.5-1VL-40	50-600	160-500	1500	1500 VA		97.2		No graphical display		460 x 357 x 122	9	Wi-fi standard, will be AS4777.2:2015 compliant								
	SB 2.5-1VL-40			2500	2500 VA		97.2														
	SB 3.0-1VL-40																				
	SB 4.0-1VL-40																				
	SB 5.0-1VL-40																				
	STP 5000TL-20	150-1000	245-800	5000	5000 VA		98		Full graphical		470 x 730 x 240	37	Ethernet and Bluetooth standard, will be AS4777.2:2015 compliant								
	SB 5000TL-21			125-750	175-500	4600	5000 VA			97								490 x 519 x 185	26		
	STP 6000TL-20			150-1000	295-800	6000	6000 VA			98								470 x 730 x 240	37		
	STP 7000TL-20			150-1000	290-800	7000	7000 VA			98								470 x 730 x 240	37		
	STP 8000TL-20			150-1000	330-800	8000	8000 VA			98								470 x 730 x 240	37		
	STP 9000TL-20			150-1000	370-800	9000	9000 VA			98								470 x 730 x 240	37		
	STP 10000TL-20			150-1000	370-800	10000	10000 VA			98								470 x 730 x 240	37		
	STP12000TL-20			150-1000	370-800	12000	12000 VA			98								470 x 730 x 240	37		
	STP15000TL-30			150-1000	320-800	15000	15000 VA			98.4							Full graphical (optional)		661 x 682 x 264	61	Ethernet standard, will be AS4777.2:2015 compliant
STP20000TL-30	150-1000			320-800	20000	20000 VA		98.4				61									
STP25000TL-30	150-1000	320-800	25000	25000 VA		98.4		61													
STP60	565-1000	570-800	60000	60000 VA		98.8		Full graphical LCD		570 x 740 x 300	75	Will be AS4777.2:2015 compliant									
Solar Energy Australia (02) 9457 2277 sales@solaraustralia.com.au www.solaraustralia.com.au	Yet to supply data for this guide. Check online for updates at www.renew.org.au/photovoltaics/2016-inverter-buyers-guide																				
Sungrow Power Supply Co. Ltd Sungrow Power Australia 1800 786 476 info@sungrowpower.com.au http://en.sungrowpower.com	SG2KTL-S	110-560	210-480 for nominal power	2000	2000	3000W max PV input	97.40 (max)	-25°C to 60°C (>45°C derating)	LCD + LED indicators	Wi-fi (optional)	300 x 370 x 125	9	IP65 rated, AS4777 approved, transformerless	POA	5 years, optional 10 year extension						
	SG3KTL-S	110-560	310-480 for nominal power	3000	3000	4000W max PV input	97.50 (max)				300 x 370 x 126	9									
	SG3KTL-D	110-560	150-480 for nominal power	3000	3000		97.40 (max)				360 x 390 x 133	11									
	SG5KTL-D	110-560	260-480 for nominal power	4990W	4990W	6500W max PV input	97.50 (max)				360 x 390 x 133	11									

Table 2: Hybrid inverters

Manufacturer/supplier	Model	Battery input voltage available	AC or DC coupling	Solar input voltage range	Operating solar input voltage range	Power output (watts)			Efficiency (%)	Oversizing capability	Island mode	Battery charging from grid?	Diversion capability	Operating temperature range/derating	Changeover time (in UPS mode)	Reposit or equivalent compatibility	Stackability	Display	Comms/ connectability	Size (mm) W x H x D	Weight (kg)	Comments	RRP \$	Warranty
						Continuous	Short term	Surge																
Delta Energy Systems (Australia) (03) 9543 3720 sales.australia@solar-inverter.com www.solar-inverter.com	Hybrid E5	85-104	DC	100-550	100-500	On grid: 5000	Stand-alone: 3600	On grid: 5250, stand-alone: 3600	97.2	Yes	Yes	Yes		-20°C to 60°C	< 2 seconds		Yes: up to three	4-line LCD with push buttons, optional Smart Monitor	RS485, Wi-fi, CAN (controller area network) battery communication	Inverter: 507 x 441 x 117, battery: 520 x 550 x 215	Inverter: 27, battery: 74	High efficiency, dual MPPT, with colour touch screen smart monitor to control and optimise the system and view import, export and consumption data. Also, customised energy management modes and programmable battery charge and discharge times	POA	5 to 10 years inverter
Redback Technologies www.redbacktech.com	SH4600	48	DC	max 550Voc	125-500VDC	4600	6900 (10 secs)	6900 (10 secs)	97	Yes	Yes	Yes	Yes: 4.6kW, 2 relays	-25°C to 60°C ambient (derate above 45°C)	<10 milliseconds	No (under development)	No	LED	Wi-fi, iOS, Android, web	516 x 950 x 278	40		POA	5 years
Selectronic (Australia) Selectronic Australia 1800 006 474 (03) 9727 6600 enquiries@selectronic.com.au www.selectronic.com.au	SP PRO SPMC240	24	AC or DC			3000	4200	7500	95		Yes	Yes	Yes	-10°C to 60°C	<30 milliseconds	Yes	Up to three phases	22 LEDs + computer based graphical remote display with free SP LINK software.	USB, serial and ethernet	690 x 375 x 220	35	Australian-made. Grid backup. Suits all export requirements. Optimise self consumption. Peak demand management	POA	3 to 10 years
	SP PRO SPMC241			4500	6750	10500	95	39																
	SP PRO SPMC481	48		5000	7000	12000	96	40																
	SP PRO SPMC482			7500	11250	18000	96	42																
	SP PRO SPMCI201	120		7500	11250	18000	97	42																
	SP PRO SPLCI200			15000	23000	33000	97	115																
SP PRO SPLCI202		20000	29000	38000	97	115																		
Sungrow Power Supply Co. Ltd Sungrow Power Australia 1800 786 476 http://en.sungrowpower.com info@sungrowpower.com.au	SH5K	48V(32-70V)	DC	125-560V	260-520V for nominal power	4990			>97.8% (max)	6500W max PV input	Yes with STB5K (backup box)	Yes		-25°C to 60°C (derate above 45°C)			LCD + LED indicators	2 x RS485, wifi (optional), CAN, NET	447 x 510 x 150	20	The product will be available after September	POA	5 years, optional 10 year extension	

Table 3: Inverter/chargers

Manufacturer /supplier	Model	Input voltage	Operating voltage range	Power output (watts)			Charge current (amperes)	Efficiency (%)	Power factor range	Idle power (watts)	Standby power (watts)	Auto start	Minimum start load	Stackability	Display	Comms/ connectability	Size (mm) W x H x D	Weight (kg)	Comments	RRP (\$)	Warranty	
				Continuous	Short term	Surge																
Altronics (08) 9428 2199 www.altronics.com.au	M 8139	12	10-15	800			40	>80%		<40		Yes			LCD with remote mounting option		400 x 300 x 150	14	Includes solar regulator	\$1099	2 years	
	M 8144	24	20-27	1600		3200	50	>80%		<70							450 x 300 x 190	24		\$1995		
	M 8145			2400		3500				<90										32		\$2690
Excelsior Power (03) 9775 1590 enquiries@inverter.com.au www.excelsiorpower.com.au	IC2000/12	12	10-15	2000		4000	15	90		10					LED		180 x 128 x 410	8	Free remote control	\$799	1 year	
	IC2000/24	24	20-30				15											8		\$799		
	IC3000/12	12	10-15	3000		6000	15			15							180 x 128 x 410	11		\$1299		
	IC3000/24	24	20-30				15											11		\$1299		
Mean Well Power Supplies Australia 1800 632 693 www.power-supplies-australia.com.au	TN-1500-212C	12	10.5-15	1500	1725 W (for 180 secs) 1875 W (for 10 secs)	3000	AC 5.5A solar 30A max	88	All	<18W	<18W	Yes	-5W (when enabled)		LEDs on front panel and on optional remote control	RS232	220 x 88 x 420	6.85		\$1292	3 years	
	TN-1500-224C	24	21-30				AC 2.7A solar 30A max	90														
	TN-1500-248C	48	42-60				AC 1.35A solar 30A max	91														
Outback Power Systems mpower 1300 733 006 www.mpower.com.au	Yet to supply data for this guide. Check online for updates at www.renew.org.au/photovoltaics/2016-inverter-buyers-guide																					
Powertech 1800 022 888 techstore@jaycar.com.au www.jaycar.com.au	MI5720	12	7-15	600		1200	20	>88		<12	<12				LCD with backlight, Remote also has		297 x 204 x 102	2.4	Remote control, 2 AC sockets, inbuilt 20A solar regulator, 2 X USB total 3A	\$539	1 year	
	MI5722	12	7-15	1000		2000	30	>88		<12	<12				LCD with backlight		379 x 204 x 102	3.2		\$699		
	MI5724	12	7-15	1500	1650 (20 mins)	3000	30	>88		<12	<12						429 x 204 x 102	3.6		\$899		
Schneider Electric 79 Waterloo Road Macquarie Park NSW 2113 1300 369 233 www.solar.schneider-electric.com	SW2524	24	12-32	2500	2800	7000	65	91.5	0.6 - 1.0	25	11	Yes	25-50W adjustable	1	LED panel with remote panel option	Xanbus	418 x 341 x 197	22.3	Off-grid operation, dead battery charging capability, solar priority mode	POA	2 years	
	SW4024	24	12-32	3400	4000	7000	90	92		25	11							1				28.1
	SW4048	48	24-64	3800	4300	7000	45	92		25	11							1				28.1
	XW-7048	48	40-64	5500	7000	9500	110	95.8		25	7							1, 3, 6 or 9				53.5
	XW-8548	48	40-64	6800	8500	12000	140	95.8		25	7							1, 3, 6 or 9				55.2
Selectronic Selectronic Australia 1800 006 474 (03) 9727 6600 enquiries@selectronic.com.au www.selectronic.com.au	SP PRO SPMC240	24	20-34	3000		7500	125A	95.0	All	8		Yes	5-50w adjustable	Up to 3 phases	22 LEDs + computer-based graphical remote display with free SP LINK software	USB, serial and ethernet	690 x 375 x 220	35	Off-grid or grid-connect battery backup. Includes comprehensive generator controller. DC or AC coupled. Use 3 units for 3-phase. Australian-made	POA	3 to 10 years	
	SP PRO SPMC241	24	20-34	4500		10500	187A	95.0										39				
	SP PRO SPMC481	48	40-68	5000		12000	104A	96.0										40				
	SP PRO SPMC482	48	40-68	7500		18000	156A	96.0										42				
	SP PRO SPMCI201	120	100-170	7500		18000	62A	97.0										42				
	SP PRO SPLCI200	120	100-170	15000		33000	125A	97.0										115				
	SP PRO SPLCI202	120	100-170	20000		38000	166A	97.0										115				
	870 x 540 x 290	115																				
870 x 540 x 290	115																					
SMA Australia (02) 9491 4200 info@SMA-Australia.com.au www.SMA-Australia.com.au	SI3.0M-11	48	41-63	2300	3500	5500		95.3		18	6.8				External remote control with LCD display	Modbus, Modbus Sunspec	467 x 612 x 242	44	Configured to deliver 3-phase output		5 years	
	SI4.4M-11	48	41-63	3300	4600	5500		95.3		18	6.8											
	SI6.0H-11	48	41-63	4600	6800	11000		96		26	4											
	SI8.0H-11	48	41-63	6000	9100	11000		96		26	4											
Victron Energy (02) 9863 1052 salesaustralia@victronenergy.com www.victronenergy.com	Yet to supply data for this guide. Check online for updates at www.renew.org.au/photovoltaics/2016-inverter-buyers-guide																					

Table 4: Stand-alone inverters

Manufacturer/supplier	Model	Input voltage available	Operating voltage range	Power output (watts)			Efficiency (%)	Power factor range	Idle power (watts)	Standby power (watts)	Auto start	Minimum start load (watts)	Stackability	Display	Comms/connectability	Size (mm) W x H x D	Weight (kg)	Comments	RRP \$	Warranty						
				Continuous	Short term	Surge																				
Altronics (08) 9428 2199 www.altronics.com.au	M 8010	12	10.5-15	150		300	90		<6	<6	Yes	10		LEDs		200 x 115 x 36	0.8	German designed	\$165	1 year						
	M 8018	24	20-30	1000		3000	90		<40							405 x 320 x 125	11	Dual GPO (general purpose outlet)	\$699							
	M 8017	12	10-15	1000		3000	90		<40							405 x 320 x 125	9	Dual GPO	\$699							
	M 8012A	12	10.5-15	400		800	85		<4	<4						200 x 108 x 60	1		\$239							
Cotek mpower 1300 733 006 www.mpower.com.au	Yet to supply data for this guide. Check online for updates at www.renew.org.au/photovoltaics/2016-inverter-buyers-guide																									
Excelsior Power (03) 9775 1590 enquiries@inverter.com.au www.excelsiorpower.com.au	PS300/12	12	10-15	300		600	>90		<6		No			LEDs		62 x 105 x 62	1		\$99	1 year						
	PS300/24	24	20-30	300		600	>90		<10												\$99					
	PS1000/12	12	10-15	1000		2000	>90														\$299					
	PS1000/24	24	20-30	1000		2000	>90														\$299					
	PS2000/12	12	10-15	2000		4000	>90									\$499										
	PS2000/24	24	20-30	2000		4000	90		<15							\$499										
	PS3000/12	12	10-30	3000		6000	90									\$799										
	PS3000/24	24	20-30	3000		6000	90									\$799										
	PS5000/12	12	10-15	5000		10000	90									\$1699										
	PS5000/24	24	20-30	5000		10000	90									\$1699										
Latronics (07) 5491 6988 sales@latronics.com www.latronics.com.au	LS512	12	10.5-17	500	550	1500	90	All	5	0.26	Yes	0 to 20W adjustable		LEDs		260 x 160 x 100	5.5	Wall Mounted. Australian designed and made. 19 different customisation options	\$946	2 years						
	LS624	24	21-34	600	750	2000	92		6.5	0.43											\$1001					
	LS648	48	42-68	600	750	2000	93		6.3	0.79											\$1188					
	LS1012	12	10.5-17	1000	1150	3000	91		5.4	0.44											\$1573					
	LS1224	24	21-34	1200	1600	3600	92		6	0.67											\$1617					
	LS1248	48	42-68	1200	1600	3600	94		6.3	0.92											\$1837					
	LS1512	12	10.5-17	1500	1600	4500	91		8	0.5											\$2013					
	LS1824	24	21-34	1800	2200	5400	93		8	0.72											\$2101					
	LS1848	48	42-68	1800	2200	5400	94		7.6	1.0											\$2288					
	LS2012	12	10.5-17	2000	2200	6000	90		13	0.9											\$2915					
	LS2324	24	21-34	2300	2800	7000	94		13	1.08						\$3014										
	LS2548	48	42-68	2500	3000	7500	94		14	1.68						\$3322										
	LS3024	24	21-34	3000	3700	9000	93		14	1.2						\$3531										
	LS3548	48	42-68	3500	4100	10500	94		16	1.92						\$4543										
	LS4024	24	21-34	4000	4500	12000	94		26	1.44						\$5082										
	LS5048	48	42-68	5000	6000	15000	95		23	2.64						\$6193										
	LS7048	48	42-68	7000	8500	20000	95		24	2.88																
	IRM512	12	10.5-17	500	550	1500	90	All	5	0.26						Yes	0 to 20W adjustable		LEDs		483 x 382 x 132	11	Rack mounted. Australian designed and made. 18 different customisation options	\$1408	3 years	
	IRM624	24	21-34	600	750	2000	92		6.5	0.43																\$1518
	IRM648	48	42-68	600	750	2000	93		6.3	0.79																\$1694
	IRM1012	12	10.5-17	1000	1150	3000	91		5.4	0.44																\$2002
	IRM1224	24	21-34	1200	1600	3600	92		6	0.67																\$2057
	IRM1248	48	42-68	1200	1600	3600	94		6.3	0.92																\$2266
	IRM1512	12	10.5-17	1500	1600	4500	91		8	0.5																\$2530
	IRM1824	24	21-34	1800	2200	5400	94		8	0.72																\$2640
	IRM1848	48	42-68	1800	2200	5400	94		7.6	1.0																\$2816
IRM2012	12	10.5-17	2000	2200	6000	90		13	0.9	\$3124																
IRM2324	24	21-34	2300	2800	7000	94		13	1.08	\$3146																
IRM2548	48	42-68	2500	3000	7500	94		14	1.68	\$3311																
IRM3024	24	21-34	3000	3700	9000	93		14	1.2	\$3696																
IRM3548	48	42-68	3500	4100	10500	94		16	1.92	\$3883																
IRM5048	48	42-68	5000	6000	15000	95		23	2.64	\$5687																

Table 4: Stand-alone inverters (continued)

Manufacturer/supplier	Model	Input voltage available	Operating voltage range	Power output (watts)			Efficiency (%)	Power factor range	Idle power (watts)	Standby power (watts)	Auto start	Minimum start load (watts)	Stackability	Display	Comms/connectability	Size (mm) W x H x D	Weight (kg)	Comments	RRP \$	Warranty						
				Continuous	Short term	Surge																				
Mean Well/ Power Supplies Australia 1800 632 693 www.power-supplies-australia.com.au	TS-200-212	12	10.5-15	200	230W for 180 secs, 300W for 10 secs	400	86	All	15	<0.02	Yes	n/a		LED		158 x 59 x 205	1.63	Remote on-off function	\$344	3 years						
	TS-200-224	24	21-30				87.5																			
	TS-200-248	48	42-60				88																			
	TS-400-212	12	10.5-15	400	460W for 180 secs, 600W for 10 secs	800	86		<6	<0.02		>5		LEDs		158 x 67 x 205	1.73									
	TS-400-224	24	21-30				87.5																			
	TS-400-248	48	42-60				88.5																			
	TS-700-212	12	10.5-15	700	800W for 180 secs, 1050W for 10 secs	1400	89		<6	<0.02		>5		LEDs		184 x 70 x 295	3.8	Remote control with LED display showing load and battery level	\$706							
	TS-700-224	24	21-30				90																			
	TS-700-248	48	42-60				91																			
	TS-1000-212	12	10.5-15	1000	1150W for 180 secs, 1500W for 10 secs	2000	90		<6	<0.02		>5		LEDs		184 x 70 x 345	4.3									
TS-1000-224	24	21-30	91																							
TS-1000-248	48	42-60	92																							
TS-1500-212	12	10.5-15	1500	1725 for 180 secs, 1875 for 10 secs	3000	88	All	<18W	<18W	Yes	-5W (when enabled)		LEDs on front panel and on optional remote control	RS232	220 x 88 X 420	6.81										
TS-1500-224	24	21-30				90																				
TS-1500-248	48	42-60				91																				
Powertech Jaycar Electronics 1800 022 888 techstore@jaycar.com.au www.jaycar.com.au	MI5726	12	10.5-15.3	200	270	400	>86							LED status indicators for power and protection		189 x 100 x 60	0.702	Supplied with removable alligator clamps, on/off switch, 1 x 2.1A USB socket	\$199	1 year						
	MI5728	12	10.5-15.3	400	450	800	>86							LED status indicators for power and protection		213 x 100 x 60	0.87	On/off switch, 1 x 2.1A USB socket	\$249	1 year						
	MI5703	24	20.1-30	360		720	>84							LED status indicators for power and protection		230 x 118 x 57	1.05	On/off switch, 1 x 0.5A USB socket, power saving mode	\$339	2 year						
	MI5710	12	10.1-15	2000		4000	>84							LED status indicators for power, overload and over temp		520 x 200 x 88	5.5	2 AC sockets, remote control, on/off switch, 1 x 0.5A USB socket, power saving mode	\$599	2 year						
	MI5712	24	20.1-30	2000		4000	>84							LED status indicators for power, overload and over temp		450 x 230 x 74	5.4	2 AC sockets, remote control, on/off switch, 1 x 0.5A USB socket, power saving modes	\$899	2 year						
Projecta (03) 9730 6000 www.projecta.com.au	IP150	12	9.75-15.5	150	140% for 3 min, 200% 3 seconds	300	85-90	All	6		No			LED		232 x 108 x 63	1.1	Designed in Australia, shock and dust proof	\$269	2 years						
	IP300			300		85-90	6			No		LED		252 x 108 x 63	1.25											
	IP600			600		85-90	8			No		LCD and remote control		250 x 168 x 81	2.2											
	IP1000			1000		85-90	14.5			No		LCD and remote control		360 x 168 x 81	3.2											
	IP2000			2000		85-90	12		0.06	Yes	5	LCD and remote control		475 x 250 x 105	7.9											
	IP2000-24	24	19.5-31	2000	4000	85-90	10	0.24	Yes	5			475 x 250 x 105		Includes automatic AC transfer switch, twin sockets and built in RCD	\$1499										
Redarc Electronics Ph:(08) 8322 4848 Power@redarc.com.au www.redarc.com.au	R-12-35ORS	12	10-15.5	350	385	700	89	Not specified	<10.8	<1.08	Yes	Adjustable depending on power saving mode	No	LED status indicators for power, protection and over temp	RJ11 port that can connect to a remote control	187 x 150 x 68	1.6	Overload, short circuit, reverse polarity, over/under voltage and over temperature protection	\$425	2 years						
	R-24-35ORS	24	20-31			90	<6.0		<1.44																	
	R-12-70ORS	12	10.5-16.5	700	770	1230	88		<18	<1.2																
	R-24-70ORS	24	21-33				89		<19.2	<1.44																
	R-12-100ORS	12	10.5-16.5	1000	1100	1750	88		<18	<1.2																
	R-24-100ORS	24	21-33				89		<19.2	<1.44																
	R-12-150ORS	12	10.5-16.5	1500	1650	2650	88		<21.6	<1.2																
	R-24-150ORS	24	21-33				89		<21.6	<1.2																
	R-12-200ORS	12	10.5-16.5	2000	2200	3500	88		<21.6	<1.2																
	R-24-200ORS	24	21-33				89		<21.6	<1.2																
	R-12-300ORS	12	10.5-16.5	3000	3300	6000	89		<45.6	<4.8																
	R-24-300ORS	24	21-33				89		<45.6	<4.8																
Selectronic Australia 1800 006 474 (03) 9727 6600 enquires@selectronic.com.au www.selectronic.com.au	SP PRO SPMC240	24	20-34	3000	4200	7500	95.0	All	8		Yes	5 to 50 adjustable	Up to 3 phases	22 LEDs + graphical remote display option	USB, serial and ethernet	690 x 375 x 220	35	Off-grid or grid-connect battery backup in one unit. DC or AC coupled. Use 3 units for 3-phase. Australian-made	POA	3 to 10 years						
	SP PRO SPMC241	24	20-34	4500	6750	10500	95.0									39										
	SP PRO SPMC481	48	40-68	5000	7000	12000	96.0									40										
	SP PRO SPMC482	48	40-68	7500	11250	18000	96.0									42										
	SP PRO SPMC1201	120	100-170	7500	11250	18000	97.0									42										
	SP PRO SPLC1200	120	100-170	15000	23000	33000	97.0									870 x 540 x 290	115									
	SP PRO SPLC1202	120	100-170	20000	29000	38000	97.0									870 x 540 x 290	115									

Table 4: Stand-alone inverters (continued)

Manufacturer/supplier	Model	Input voltage available	Operating voltage range	Power output (watts)			Efficiency (%)	Power factor range	Idle power (watts)	Standby power (watts)	Auto start	Minimum start load (watts)	Stackability	Display	Comms/connectability	Size (mm) W x H x D	Weight (kg)	Comments	RRP \$	Warranty
				Continuous	Short term	Surge														
SMA Australia (02) 9491 4200 info@SMA-Australia.com.au www.SMA-Australia.com.au	SI3.0M-11	48	41-63	2300	3500	5500	95.3		18	6.8				External remote control with LCD display	Modbus, Modbus Sunspec	467 x 612 x 242	44	Configured for 3-phase output		5 years
	SI4.4M-11	48	41-63	3300	4600	5500	95.3		18	6.8										
	SI6.0H-11	48	41-63	4600	6800	11000	96		26	4			63				Up to 36 units in parallel			
	SI8.0H-11	48	41-63	6000	9100	11000	96		26	4										
Solar Energy Australia (02) 9457 2277 enquiries@solaraustralia.com.au www.solaraustralia.com.au	Yet to supply data for this guide. Check online for updates at www.renew.org.au/photovoltaics/2016-inverter-buyers-guide																			
Victron Energy (02) 9863 1052 salesaustralia@victronenergy.com www.victronenergy.com	Yet to supply data for this guide. Check online for updates at www.renew.org.au/photovoltaics/2016-inverter-buyers-guide																			