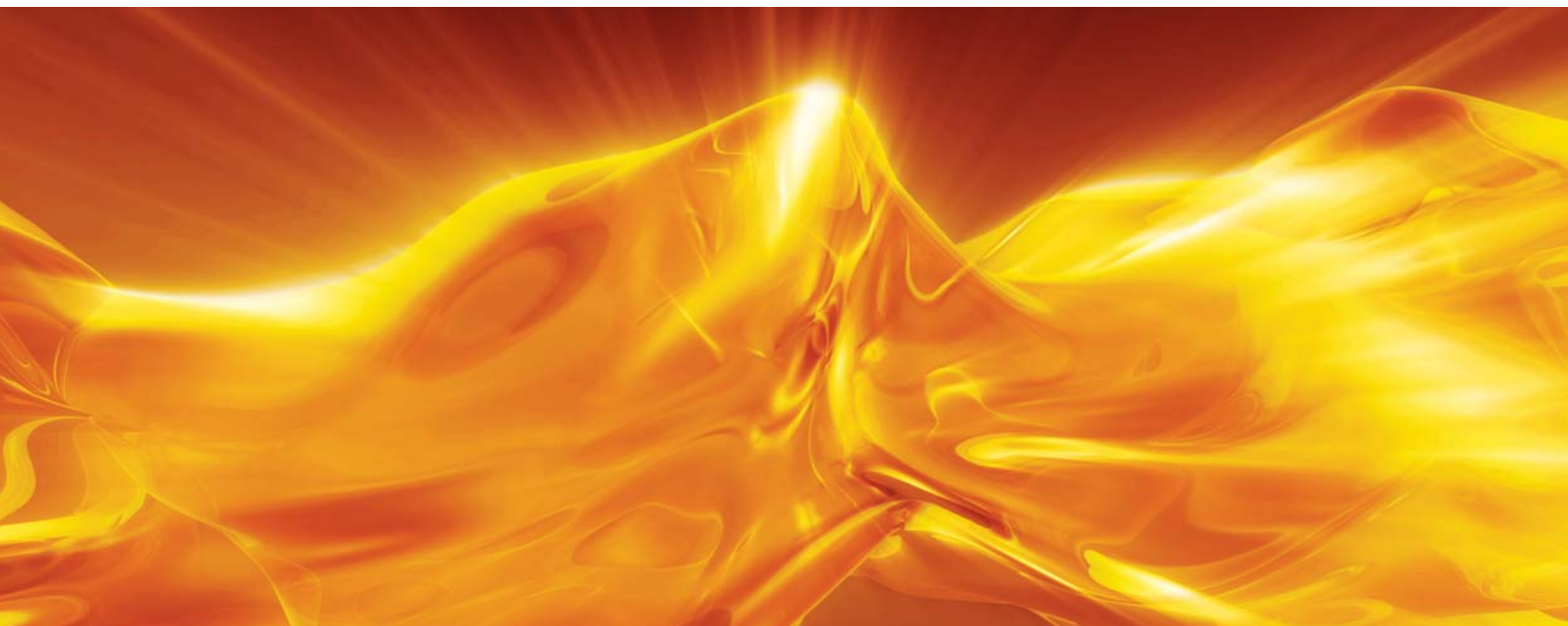


# Powador xi Series Solar Inverters

Grid Interactive  
1,500 Watt – 4,600 Watt  
Input Voltages 125VDC – 400VDC



Brought to you by Australia's Largest Inverter manufacturer



POWER PERFORMANCE PASSION

Powador Range	Powador 1501xi	Powador 3501xi	Powador 4501xi
<b>Input - Electrical Data</b>			
DC rated power	1580 watts	3490 watts	4880 watts
Maximum PV-generator power	2000 watts	4000 watts	6000 watts
Maximum DC input current	14A	30.5A	43A
MPP range	125 - 400V		
Maximum PV-open circuit	Up to 500V		
Monitoring - Input voltage	Stand-by from U > 125V Night shutdown from U < 100V		
<b>Output - Electrical Data</b>			
Rated power	1500 watts	3300 watts	4600 watts
Maximum power	1650 watts	3600 watts	5060 watts
Grid voltage	208 - 264V		
Rated current	6.5A	14.5A	20.0A
Maximum current	7.2A	15.7A	22.0A
Frequency	49.5 - 50.5 Hz		
Distortion factor according to VDE 0838 part 2 (EN61000-3-2)	< 3% at rated power < 5% over the entire range		
<b>Inverter - Electrical Data</b>			
Maximum degree of efficiency	95.0%	95.0%	94.4%
Internal consumption	Night shutdown: 0W Operation: < 5W		
Min. grid-feeding capacity	10 watts	25 watts	60 watts
Circuit concept	Grid-tied, electrically isolated, HF transformer		
Clock frequency	18 kHz		
Principle	1. galvanically isolated DC/DC converter 2. IGBT full bridge as part of the inverter		
Grid monitoring	BISI according to E DIN VDE 0126, compliant with VDEW		
<b>Inverter - Mechanical &amp; Technical Data</b>			
Optical displays	DC Power in (green) / AC Power out (green) / Failure (red) LC Display (2 x 16 characters)		
Operating elements	2 keys for display operation		
Connections	PCB terminals inside the device Cable routing via screwed cable gland fittings		
Ambient temperature	-20°C ... +40°C		
Temperature monitoring	> 70°C temperature dependent capacity adjustment > 80°C disconnection from the grid	> 75°C temperature dependent capacity adjustment > 85°C disconnection from the grid	> 75°C temperature dependent capacity adjustment > 90°C disconnection from the grid
Cooling	Free convection (no fan)		
Protection class	IP54 according to EN 60529		
Noise emission	< 35dB (noiseless)		
Housing/enclosure	Aluminum wall-mounted enclosure		
Dimensions W x D x H	340 x 200 x 450 mm	340 x 220 x 500 mm	340 x 220 x 650 mm
Weight	10 kg	19 kg	28 kg
Standards	AS 4777 certificate of suitability		
C Tick	Yes		
Warranty	7 years standard with the option for an extra 4 years		

Kaco Germany are one of the world's largest suppliers of Solar Grid Feeding inverters. Selectronic are the largest supplier of 'Off Grid' inverters to the Australian market. When these two companies combine their strengths you have world leading Grid feed technology and a wealth of local experience with support and back up that is second to none.

The Powador range have been proven as a reliable, high quality inverters. The conservative design approach allows the unit to be cooled naturally without relying on mechanical fans; particularly helpful for dusty environments. Kaco's commitment to the environment is proven by their entirely carbon neutral manufacturing process, whilst the commitment to the customer is proven by impressive warranties.

A host of Communications are available to transmit data to your computer either by cable or through wireless technology.

Selectronic and Kaco, a powerful partnership.



**Quality Endorsed Company**  
ISO 9001 Lic4419  
SAI Global



ACN 063 863 785

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