



# Photovoltaic Grid Connected Inverters

## High Efficiency Grid Connect Inverters

Approved to AS4777 for use in Australia.

10 Year Warranty.

The HR-INV-X01 series of photovoltaic (PV) inverters are specially designed for small to medium roof-top solar power generation systems.

Each model features:

- Sealed stainless steel enclosure designed and certified for IP65 protection. Suitable for both indoor and outdoor installations.
- High efficiency isolation transformer between the inverter electronics and the utility grid for safety and reliability.
- All external connections, ie DC input, AC output & communications are mutually electrically isolated.
- Easy field wiring via plug in connection for DC input, AC output & communication cables.
- Independent MPPT channels for different combinations of PV modules - maximising the power yield of each array.
- Transient voltage suppressor at both input and output terminals to protect the inverter from high transient voltages induced by lightning or other sources.
- LCD readout displays operating parameters, including: voltage of each PV array, electricity generated, power generation time, internal temperature, date/time, operating modes & system errors.
- Highly efficient throughout its operating range of -25°C to 50°C.

Three models are available 1.5kVA, 2kVA and 3kVA.

### Approvals:

**Safety:** IEC 62103:2003, EN50178:1997

**Grid Protection:** DIN VDE 0126-1-1:2006, DK5940, AS4777

**EMC:** EN61000-6-1/6-2/6-3/6-4/3-2/3-3



SPECIFICATIONS	HR-INV-X01-015	HR-INV-X01-020	HR-INV-X01-030
Altronics Order Code	M 7977	M 7978	M 7980
PV Input Power	1875W	2500W	3750W
Max DC Input Power	1755W	2350W	3500W
Max Input Current	10A	6A + 6A	10A + 10A
MPPT Channels	1	2	2
Max AC Output Power	1650VA	2200VA	3300VA
Max AC Output Current	7A	10A	15A
Max Efficiency	>94%	>94%	>94.5
Weight	27kg	36.5kg	42.5kg
Dimensions HxWxDmm	344x415x205	370x525x225	370x525x225

Available From: