

# i-Micro inverter GT 260 - Australia

i-Energy micro inverter is designed for residential applications of 1, 3, 5KW, and small to mid-size commercial grid-tied solar applications of 10~100KW so that every solar module is operating with the efficiency and precision of digital electronics.

This delivers greater energy harvest, higher reliability and more intelligent operation. In addition, the safety and simplicity of parallel AC wiring makes PV systems easier to design, install and maintain, and provides performance data via power line communications.



## Product Features

- Designed in Switzerland
- Module-level MPPT avoids shading effect
- Lower current and voltage for safety and longer product life
- Lower overall balance of system(BOS) costs
- Independent, individually-optimized AC power source
- Shorter installation time with flexible system design
- Delivers continuous system uptime

Designed in Switzerland

## DC Input Data

Recommended input power	<b>240-265 W</b>
Nominal input power	<b>240W</b>
Peak power tracking range@230W	<b>30-50V</b>
Mppt operating range	<b>25-50V</b>
Solar panel input voltage range	<b>25-59V</b>
Max. DC short circuit current	<b>12A</b>
Max. input current	<b>10A</b>

## Efficiency

CEC weighted efficiency	<b>93%</b>
Peak inverter efficiency	<b>94%</b>
Static MPPT efficiency	<b>99.30%</b>
Night time power consumption	<b>&lt;30 mW</b>

## Features

Communication	<b>PLC</b>
Warranty	<b>25 years warranty</b>
Compliance	<b>AS3100, AS/NZS 4777.2/3, CEC</b>

## AC Output Data

Max. output power	<b>230W</b>
CEC listed output power	<b>230W</b>
Nominal output current	<b>1A</b>
Nominal/extended voltage range	<b>230V/200-270V</b>
Nominal/extended frequency range	<b>50Hz/45-55Hz</b>
Power factor	<b>&gt;0.95</b>
Total harmonic distortion	<b>&lt;3%</b>
Max. units per 20A branch circuit	<b>17pcs</b>

## TECHNICAL DATA

## Mechanical Data

Ambient temperature range	<b>-40°C to +65°C</b>
Operating temperature range (internal)	<b>-40°C to +85°C</b>
Dimensions (WxHxD)	<b>23.2* 21.2*4.26cm</b>
Weight	<b>2.2 kg (4.8 lbs)</b>
Cooling	<b>Natural convection - no fans</b>
Enclosure environmental rating	<b>IP66</b>