

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

DC Input Data

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

Efficiency

CEC weighted efficiency	93%
Peak inverter efficiency	94%
Static MPPT efficiency	99.30%
Night time power consumption	<30 mW

Features

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

AC Output Data

Max. output power	230W
CEC listed output power	230W
Nominal output current	1A
Nominal/extended voltage range	230V/200-258V
Nominal/extended frequency range	50Hz/48-51.5Hz
Power factor	>0.95
Total harmonic distortion	<3%
Max. units per 20A branch circuit	17pcs

TECHNICAL DATA

Mechanical Data

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