

## Grid-tie PV invertors

ZEDfabric supplies invertors to convert the DC current generated by solar panels into AC power and sell energy back to the national grid.



**Features include:**

1. DSP controller
2. Using the fifth generation IPM from Mitsubishi company as the power component
3. MPPT (Maximum Power Point Tracking) technology
4. High efficiency up to 95%
5. Perfect protect functions include anti-islanding
6. In accordance with IEEE929-2000, UL1741
7. Quick and easy installation
8. A LCD display for monitoring all system information
9. Can set the operation parameters via LCD and keys
10. CE certified

### Specification - 1.5kw

Recommended max. PV power	1800Wp
Max. DC input voltage	450 V
MPP voltage range	150V-450V
Max. DC input current	10 A
Nominal AC output power	1500 W
Total Harmonic Distortion (THD)	< 4 %
Power Factor	>0.99
Max. Efficiency	94 %
Europe Efficiency	92.5%
Waterproof and Dustproof Class	IP41(indoor)
Size (W x H x D)	288x410x126 mm
Weight	10.3kg

Operating range of utility voltage	180 °C 265 V AC
Operating range of utility frequency	47.2 °C 51.5 Hz
Self consumption at night	<0.5W
Communication Interfaces	RS485
Operation Surroundings Temperature	-25°C~+60°C
Noise level	<40dB
Connection with PV cables	DC plug connectors
Connection with utility grid cables	AC plug connectors
Cooling	Natural cooling
Isolated style	Low frequency transformer
Standards	IEEE929. EN61000

**Warranty:**

1 year product warranty

### Specification - 3kw

Recommended max. PV power	3600Wp
Max. DC input voltage	450 V
MPP voltage range	200V-450V
Max. DC input current	18 A
Nominal AC output power	3000 W
Total Harmonic Distortion (THD)	< 4 %
Power Factor	>0.99
Max. Efficiency	94 %
Europe Efficiency	92%
Waterproof and Dustproof Class	IP65(outdoor)
Size (W x H x D)	490x170x385 mm
Weight	44kg

Operating range of utility voltage	180 °C 265 V AC
Operating range of utility frequency	47.2 °C 51.5 Hz
Self consumption at night	<0.5W
Communication Interfaces	RS485
Operation Surroundings Temperature	-25°C~+60°C
Noise level	<40dB
Connection with PV cables	DC plug connectors
Connection with utility grid cables	AC plug connectors
Cooling	Natural cooling
Isolated style	Low frequency transformer
Standards	IEEE929. EN61000