

Wide DC input voltage range and current range.
 Wide MPPT voltage range ensures high yield under various weather conditions.
 High MPPT accuracy, ensures the minimum power loss during converting.
 Complete set of protection functions.

Also, the following protection functions are integrated in Envertech microinverter:

- Internal overvoltage/undervoltage
- Faulty Grounding protection
- Grid monitoring
- Ground overcurrent monitoring
- DC current monitoring

3.3 Datasheet

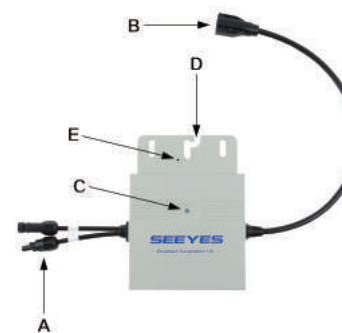
Model	EVT248
Input Data (DC)	
Recommended maximum input	300W
Maximum input DC voltage	54V
Start voltage	24V
Peak power tracking range	28V ~ 42V
Operating range	18V ~ 54V
Maximum DC short circuit current	15A
Maximum input current	9.5A
Output Data (AC)	
Rated output power	248W
Maximum output current	1.07A
Nominal voltage	220V/230V/240V
Nominal frequency	50Hz/60Hz
Power factor	>0.99
Total Harmonic Distortion	<3%
Maximum units per branch	20
Efficiency	
Peak inverter efficiency	95.6%
EURO weighted efficiency	95%(according to the EN50530)
Nighttime power consumption	100mW
Mechanical Data	
Enclosure environmental rating	IP65
Ambient temperature range	-40°C ~ +65°C
Operating temperature range	-40°C ~ +85°C
Dimensions (WxHxD)	163mm*163mm*27mm
Weight	1.5kg
Features	
Communication	PLCC
Warranty	25 Years

4. Packing checklist

4.1 Accessories

After you receive the Envertech microinverter, please check if there is any damage on the carton, and then check the inside completeness for any visible external damage on the microinverter and accessories. Contact your dealer if anything is damaged or missing.

4.2 Product Description



Item	Description
A	DC connectors
B	AC connector
C	LED light
D	Wall bracket hole
E	Grounding hole

4.3 Further information

If you have any further questions concerning accessories or installation, please check our website www.envertec.com or send an email to info@envertec.com

5. Planning of Microinverter Installation

5.1 Explanations of Symbols on Inverter

Symbol	Description
	Dangerous electrical voltage This device is directly connected to public grid, thus all work related to the inverter shall only be carried out by qualified personnel.
	NOTICE, danger! This device directly connected with electricity generators and public grid.
	Danger of hot surface The components inside the inverter will release a log of heat during operation. DO NOT touch aluminum casing during operating.