MICROINVERTER

EVT300

Connected to one single panel.

SAFE
Low DC voltage, and invisible.

QUALITY
Components selected from world-class brands.

OPTIMIZATION
Individual MPPT for each module.

FLEXIBILITY
Adapts to any system size and optimizes space.

PLUG & PLAY
Hand-in-hand design.
Fewer add-ons.
Faster installation.

25 YEARS
Long 25 years lifetime.
Up to 15 years warranty.

SMART
Module-level online smart monitoring.

ENVERTECH

www.envertec.com

DATASHEET

Model	EVT300

Input Data (DC)

Recommended Module Power Range(STC)	180W - 400W+
Max. DC Input (V)	54V
Isc PV (Absolute Max.) (A)	15A
Operating Range (V)	18V-54V
Max. Input Current (A)	12A
MPPT Voltage Range (V)	24-45V

Output Data (AC)

Normal Voltage (V)	220V/230V
Current (Max.continuous) (A)	1.36A
Frequency (Hz)	50Hz/60Hz
Power (Max.continuous) (W)	300W
Power Factor/Rated (default)	>0.99
Total Harmonic Distortion	<3%
Maximum Units Per Branch	20 Units (12AWG Cable)

Efficiency

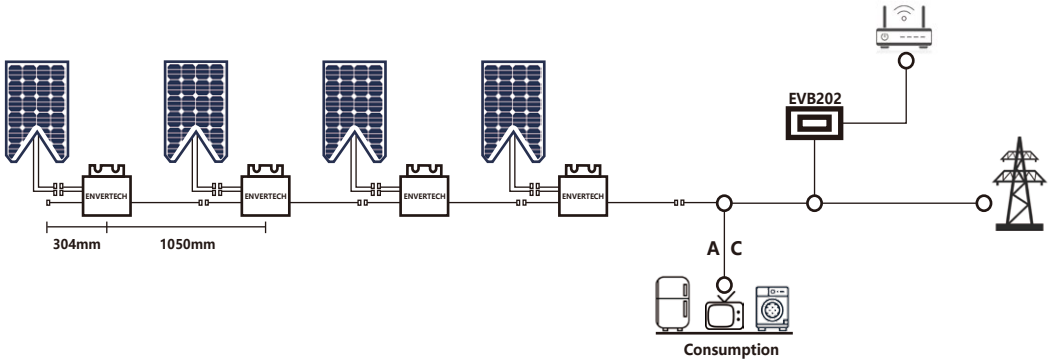
Peak Inverter Efficiency	95.4%
EURO Weighted Efficiency	95%
MPPT Efficiency	99.9%
Nighttime Power Consumption	<100mW

Features

Communication	PLCC (Power Line Carrier Communication)
Compliance	VDE-AR-N 4105, VDE0126-1-1, UTE C15-712-1, EN50438, IEC/EN62109-1/2, IEC/EN61000, AS4777, IEC61727, IEC61683, IEC62116
Lifetime	25 Years

Others

Ingress Protection (IP)	IP 67
Protective Class	Class I
Temperature (°C)	-40°C to +65°C
Relative Humidity	0% - 98%
Overvoltage Category	OVC III (AC Main), OVC II (PV)
Inverter Isolation	☐Non-isolated ☒High Frequency Isolated
Weight	1.8kg
Dimensions (W*H*D)	163mm*216mm*27mm



Monitoring Device EVB202

communicates with Envertech microinverters through PLCC and enables users to manage the systems in a smart digital way.