

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.

# DATASHEET

## Model EVT300

### Input Data (DC)

Recommended Module Power Range(STC)	180W - 420W+
Max. DC Input (V)	54V
Max. Input Short-circuit Current (A)	15A
Operating Range (V)	18V-54V
Max. Input Continuous Current (A)	12A
MPPT Voltage Range (V)	24V-45V

### Output Data (AC)

Normal Voltage (V)	230V
Current (Max.Continuous) (A)	1.36A
Frequency (Hz)	50Hz
Power (Max.Continuous) (W)	300W
Peak Power (W)	330W
Power Factor Range	+/-0.95
Total Harmonic Distortion	<3%
Maximum Units Per Branch	20 Units (12AWG Cable)

### Efficiency

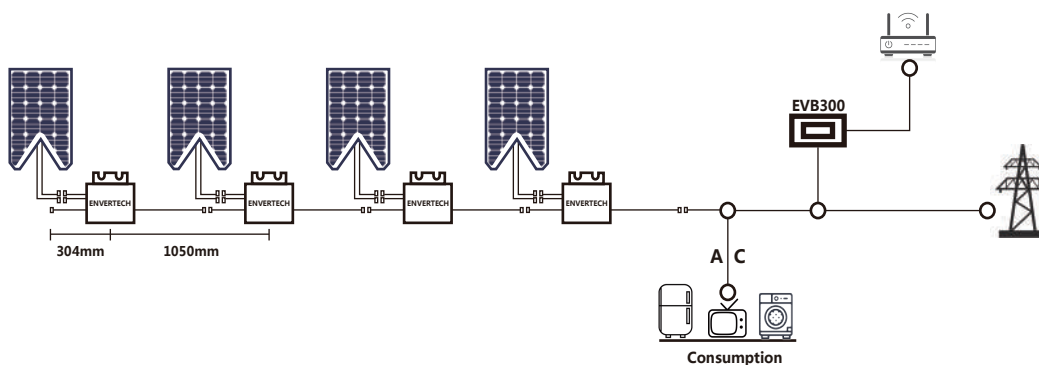
Peak Inverter Efficiency	95.4%
EURO Weighted Efficiency	95%
MPPT Efficiency	99.9%
Nighttime Power Consumption	<100mW

### Features

Communication	PLCC (Power Line Carrier Communication)
Compliance	VDE-AR-N 4105, IEC/EN61000, IEC/EN62109-1/2, EN50549-1/2019, TOR 2019, C10/11:2019, UTE C15-712-1:2013, VFR 2019
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	<input type="checkbox"/> Non-isolated <input checked="" type="checkbox"/> High Frequency Isolated
Weight	1.8kg
Dimensions (W*H*D)	163mm*216mm*27mm



## Monitoring Device EVB300

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