

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, and fast 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 - 360W+
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 (Vac)	220V/230V
Current (Max.continuous) (A)	50Hz/60Hz
Frequency (Hz)	1.36A
Power (Max.continuous) (W)	300W
Power Factor/Rated (default)	>0.99
Total Harmonic Distortion	<3%
Maximum Units Per Branch	20 Units (12AWG Cable)

### Efficiency

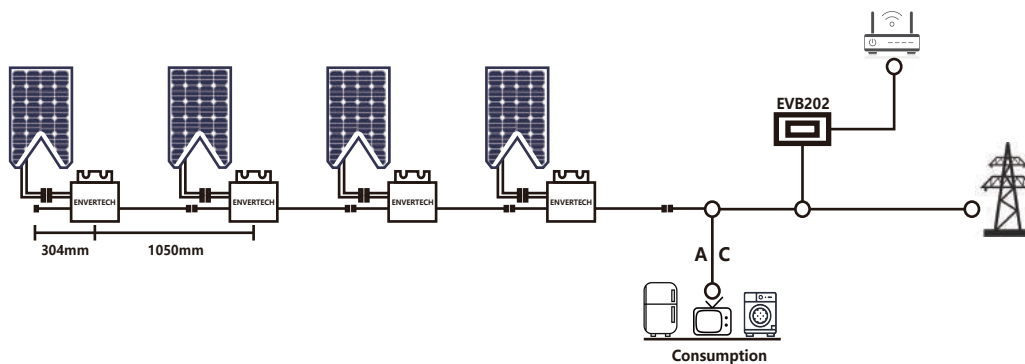
Peak Inverter Efficiency	95.4%
EURO Weighted Efficiency	95%
MPPT Efficiency	99.9%
Nighttime Power Consumption	<100mW

### Features

Communication	PLCC(Power Line 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	<input type="checkbox"/> Non-isolated <input checked="" type="checkbox"/> High Frequency Isolated
Weight	1.8kg
Dimensions	163mm*216mm*27mm



## Monitoring Device EVB202

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