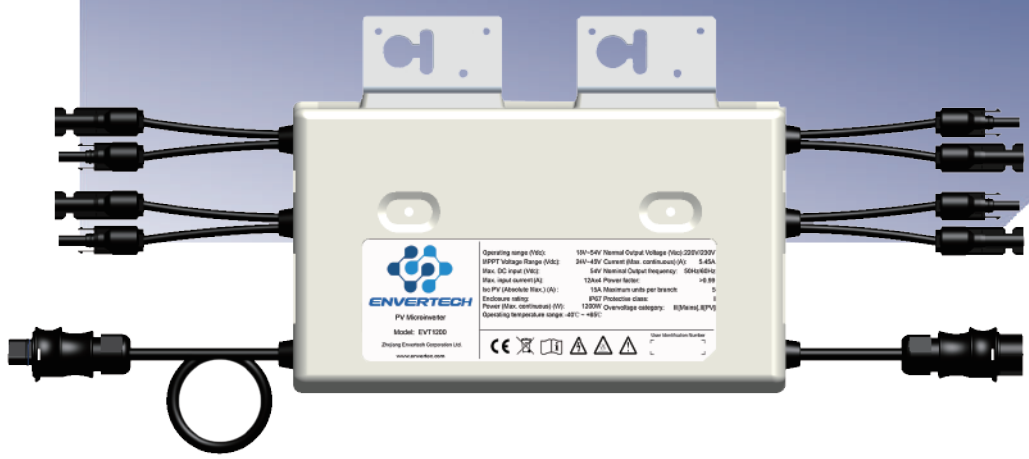


# MICROINVERTER

# EVT1200

Connected to FOUR panels.



**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

**EVT1200**

### Input Data [DC]

Recommended Input Power Range(STC)	(180W-420W+) *4
Max. DC Input (V)	60V
Max. Input Short-circuit Current (A)	15A
Operating Range (V)	16V-60V
Max. Input Continuous Current (A)	12A*4
MPPT Voltage Range (V)	22V-48V

### Output Data [AC]

Normal Voltage (V)	220V/230V
Frequency (Hz)	50Hz/60Hz
Current (Max.Continuous)	5.90A
Power (Max.Continuous)	1200 W
Peak Power (W)	1300 W
Power Factor Range	+/-0.90
Total Harmonic Distortion	<3%
Maximum Units Per Branch	5 Units (12AWG Cable)

### Efficiency

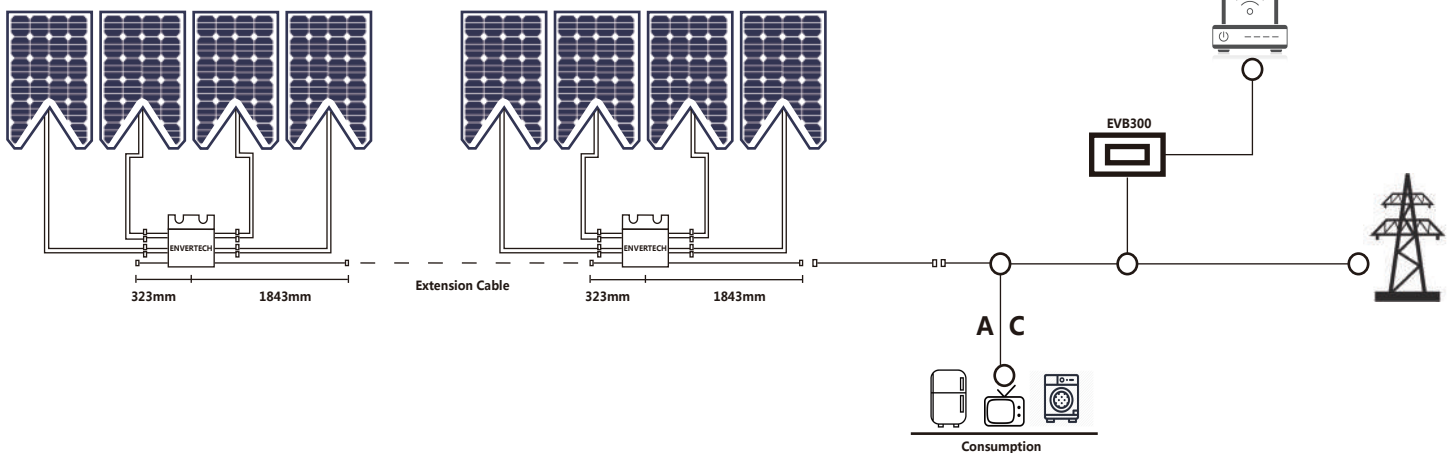
Peak Inverter Efficiency	95.6%
EURO Weighted Efficiency	95%
MPPT Efficiency	99.9%
Nighttime Power Consumption	< 100mW

### Features

Communication	PLCC (Power Line Carrier Communication)
Warranty	15 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 checked="" type="checkbox"/> High Frequency Isolated
Dimensions (W*H*D)	316.5mm*189mm*46mm



## Monitoring Device EVB300

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