

MICROINVERTER

EVT800

Connected to TWO 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.



ENVERTECH

www.envertec.com

DATASHEET

Model EVT800

Input Data (DC)

Recommended Input Power Range(STC)	(250W-550W+)*2
Max. DC Input (V)	60V
Max. Input Short-circuit Current (A)	25A
Operating Range (V)	16V-60V
Max. Input Continuous Current (A)	14A*2
MPPT Voltage Range (V)	24V-50V

Output Data (AC)

Normal Voltage (V)	189V-260V
Frequency (Hz)	47.5-52.5Hz/57.5-62.5Hz
Current (Max.Continuous)	3.64A
Power (Max.Continuous)	800W
Power Factor Range	+/-0.90
Total Harmonic Distortion	<3%
Maximum Units Per Branch	6 Units (12AWG Cable)

Efficiency

Peak Inverter Efficiency	96.5%
MPPT Efficiency	99.9%
Nighttime Power Consumption	< 100mW

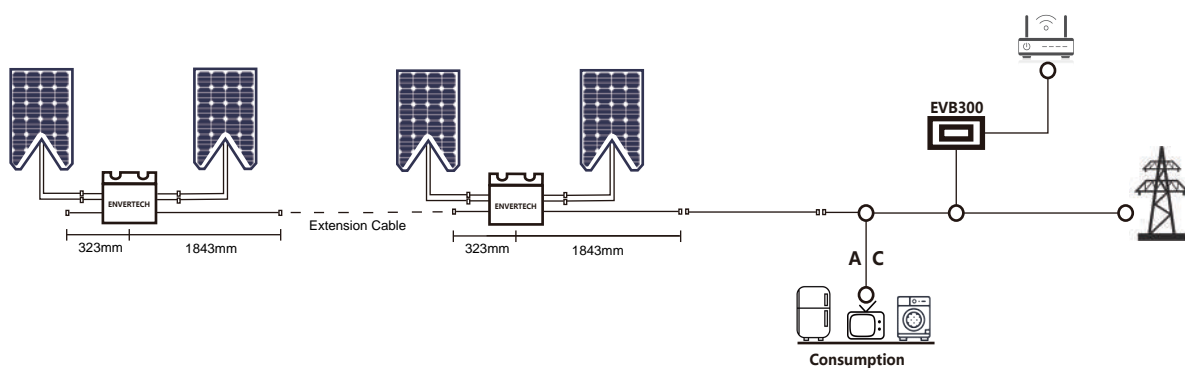
Features

Communication	PLCC (Power Line Carrier Communication)
Compliance	VDE-AR-N 4105:2018, IEC/EN61000, IEC/EN62109-1/2, EN50549-1:2019, TOR 2019, C10/11:2019, 2016/631 EU (NC RfG), UTE C15-712-1:2013, VFR 2019, CEI 0-21:2019, RD1699:2011, RD661:2007, RD413:201

Lifetime	25 Years
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Others

Ingress Protection (IP)	IP67
Protective Class	Class I
Temperature (°C)	-40°C to +65°C
Relative Humidity	0% - 98%
Oversvoltage Category	OVC III (AC Main), OVC II (PV)
Inverter Isolation	<input type="checkbox"/> Non-isolated <input checked="" type="checkbox"/> High Frequency Isolated
Weight	3.8kg
Dimensions (W*H*D)	264 mm x 194 mm x 35.5 mm



Monitoring Device EVB300

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