

DATASHEET

Model EVT400

Input Data [DC]

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

Output Data [AC]

Normal Voltage (V)	189-260V
Frequency (Hz)	47.5-52.5Hz/57.5-62.5Hz
Current (Max.Continuous)	1.82A
Power (Max.Continuous)	400W
Power Factor Range	+/-0.90
Total Harmonic Distortion	<3%
Maximum Units Per Branch	13 Units (12AWG Cable)

Efficiency

Peak Inverter Efficiency	96.8%
MPPT Efficiency	99.9%
Nighttime Power Consumption	< 100mW

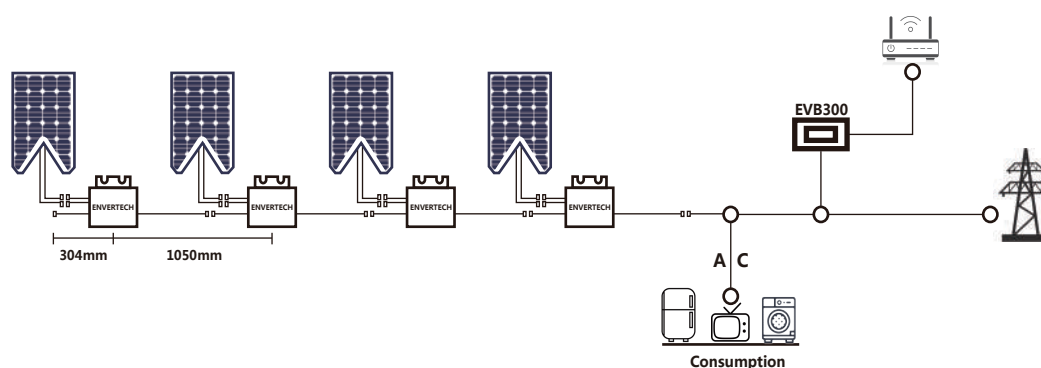
Features

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, RD413:2014

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%
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)	163 mm x 216 mm x 27 mm



Monitoring Device EVB300

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