

WVC-300 MICRO INVERTER

| INPUT DATA | WVC-300 (120VAC / 230VAC) |
|-----------------------------|----------------------------------|
| Recommended input power | 320Watt |
| Recommended PV modules | 320W / Vmp > 30VDC / Voc < 50VDC |
| Maximum input DC voltage | 54VDC |
| Peak power tracking voltage | 22-50VDC |
| Operating voltage range | 17-50VDC |
| Min. / Max. Start voltage | 22-50VDC |
| Maximum DC short current | 15A |
| Maximum input current | 13A |

| OUTPUT DATA | @120VAC | @230VAC |
|------------------------------|---------------------|----------------------|
| Peak output power | 320Watt | 320Watt |
| Rated output power | 300Watt | 300Watt |
| Rated output current | 2.08A | 1.08A |
| Rated voltage range* | 80-160VAC | 180-260VAC |
| Rated frequency range* | 50-60Hz | 50-60Hz |
| Power factor (cos ϕ) | > 99% | > 99% |
| Maximum units per subcircuit | 6pcs (Single-phase) | 12pcs (Single-phase) |

| OUTPUT EFFICIENCY | @120VAC | @230VAC |
|---------------------------|-----------|------------|
| Static MPPT efficiency | 99.5% | 99.5% |
| Maximum output efficiency | 95% | 95% |
| Consumption at night | <50mW Max | < 50mW Max |
| THD | < 3% | < 3% |

| OPERATING CONDITIONS / DIMENSIONS / APPLICATIONS | WVC-300 (120VAC / 230VAC) |
|--|--|
| Environment temperature | -40°C ~ +65°C |
| Operating temperature (Inside inverter) | -40°C ~ +82°C |
| Electrical isolation | Transformer |
| Cooling concept | Self - cooling |
| Degree of protection (Waterproof) | IP65 |
| Communication mode | Wireless 433 / 462MHz, RS232 / wifi interface |
| Power transmission mode | Reverse transfer, load priority |
| Dimensions (W×H×D mm) | 192mm × 176mm × 38mm |
| Net weight (Kg) | 0.90Kg |
| Electromagnetic compatibility | EN50081. PART 1, EN50082. PART 1 |
| Grid disturbance | EN61000-3-2, Safety 62109 |
| Grid detection | DIN VDE 1026, UL1741 |
| Certifications | CEC, CE |
| Warranty | 5 years materials and workmanship, 25 years extended warranty. |

* AC rated voltage range and frequency range depend on local standards.

* For 230VAC grid each PV subcircuit againsts 12 units micro inverter, for 120VAC grid each PV subcircuit againsts 6 units micro inverter.

* The monitoring software has ability to simultaneously run recommend 100 units micro inverter.