

SWEA MICRO INVERTER SYSTEMS

FOR ON GRID PV-SOLAR and WIND TURBINE SOLUTIONS



SWEA MICRO INVERTER UWT-I-250W SERIES CE - G83/1 - EN50438-DK



UWT-I-250W
starter kit for use
with wind turbines.
1 inverter 250W
Incl 1 Extension total
500 watt etc.
Stackable.



UWT-I-250W
Extension kit
to use with
PV-Solar panels.





SWEA MICRO INVERTER UWT-I-250W STARTER KIT SWEA MICRO INVERTER UWT-I-250W EXTENSION KIT

- Easy installation
- Easy maintenance
- Easy Wide range of DC-in voltage 20,3-55V
- Easy 250W power in and 200 W continue power out
- Easy LED power out indication
- Easy LED status indication
- Easy Parallel stackable as much as you need.

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| Micro Inverters UWT-I-250W series | 250Watt Wind Starter kit | Extension to Wind Starter kit (stackable) | To add to Wind starter kit | |
|---|--|--|---|---|
| | UWT-I-250W Starter kit  | UWT-I-250W Extension kit  | GRID and TEMPERATURE SAFET DEVICE  | TOOL-BOX Communication kit.  |
| Specifications | | | | |
| INPUT DATA DC-IN | | | | |
| Nominal input power | 240W | 250W | 500Watt | |
| Max DC-In Voltage | 55V | 55V | 55AC | |
| Minimum Dc-in Voltage | 20,3V | 20,3V | | |
| Operating range Dc-in | 20,3-55V | 20,3-55V | | |
| Min start voltage | 20,3V | 20,3V | | |
| Max start voltage | 45V | 45V | | |
| Max. input current | 6,9A | 6,9A | | |
| Max array short circuit current | 7,5A | 7,5A | | |
| OUTPUT DATA AC. | | | | |
| Max AC output continue at 25 C | 200W Continue 25C | 200W continue 25C | | |
| Max output | 240W | 250W | | |
| Nominal output voltage | 120V /230V | 120 / 230V | 110-230V | |
| Nominal Frequency | 60-50 Hz | 60 - 50Hz | 60-50 Hz | |
| Rated output current | 1,04 - 2 A | 1,04A - 2 A | 10 Amps | |
| GRID OFF | | | When grid is OFF Turbine will STOP | |
| Total Harmonic distortion | <5% | <5% | | |
| Mechanical data | | | | |
| Operating temperature range | - 10 to +40 Degr. C. | - 10 to +40 Degr. C. | - 10 to +40 Degr. C. | |
| Enclosure rating | For inside use only | For inside use only | | |
| Dimensions packing (LxHxW) | 400x440x95 mm | 220x190x895 mm | | |
| temperature Stop turbine | | | Mosfet>80 Deegr C. | |
| Weight | 4,2 KG | 1,65 Kg | 0,2 KG | |
| Cooling | forced by fan 0-100% | forced by fan 0-100% | | |
| Efficiency | | | | |
| Efficiency range | 93-84% 0-100% | 93-84% 0-100% | | |
| Max night power use | +/- 30 mW | +/- 30 mW | | |
| Included: | | | | |
| Dump load | 0,7 Ohm 400W | - | | |
| AP-Box | Controller Dump load | - | | |
| Diode box | 3 Phase AC to Dc rec | - | | |
| Compliances | | | | |
| Country compliance | CE EN-50438 DK | CE EN-50438 DK | Relay UL-CE listed | Adaptor TOOL-BOX UL-120V-60Hz or CE-220V-50Hz RS-232-USB |
| Grid compliance | G83/1 | G83/1 | | |
| Connectors | UL-firmware | UL firmware | | |
| Communication | | | | |
| RS-232/USB Communication cable with 12V DC adaptor To adjust Power curve of inverter V-start | TOOL-BOX 20,2V to 45V | TOOL-BOX 20,2V to 45V | | TOOL-BOX Swea Communication cable DC adaptor RS-232-USB converter CD-ROM MANUAL |
| Steepness power curve | 0,2-4,8V/A | 0,2-4,8V/A | | |
| This makes the connection of any type of PV-panels within the inverter limits possible. | | | | |
| Stackable | | | | |
| The SWEA Inverters are stackble | 0-10 pcs | 0-10 pcs | | - |
| Warranty | | | | |
| Warranty | 2 years | 2 years | 2 years | 2 years |
| Specials | | | | |
| GRID voltage and Frequency Specials are possible | 120V-50Hz 230V-60Hz | 120V-50Hz 230V-60Hz | | 120V-50Hz or 230V-60Hz |

* All technical specication mentioned I this document are subjectto change without prior notice.

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