

WAKSPOWER11-G4

6-10kVA, PF=1.0







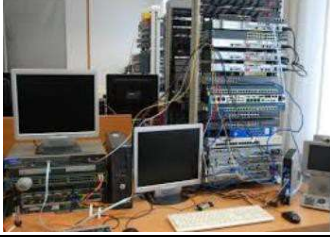

| |
|---------------------------|
| WAKSPOWER11-G4-06k0-5 |
| WAKSPOWER11-G4-06k0-8 |
| WAKSPOWER11-G4-10k0-3 |
| WAKSPOWER11-G4-10k0-4 |
| WAKSPOWER11-G4-06k0-BC192 |
| WAKSPOWER11-G4-10k0-BC192 |

CE **RoHS**  **VFI-SS-111**

Features

| | |
|--|--|
| <ul style="list-style-type: none"> • Pure sine output wave (true sin), | <ul style="list-style-type: none"> • Output power factor: 1.0 • Input power factor: 0,99 |
| <ul style="list-style-type: none"> • True online double conversion – topology VFI-SS-111 High-frequency | <ul style="list-style-type: none"> • Advanced DSP technology • Long backup time |
| <ul style="list-style-type: none"> • Tower standalone • 1phase -> 1phase | <ul style="list-style-type: none"> • Dual-input design • Bypass available |
| <ul style="list-style-type: none"> • Output voltage independent • Parallel workup 4pcs • Flexible battery configuration | <ul style="list-style-type: none"> • Advanced fan management • Efficiency 94% (in mode Eco 98%) • Cold start |
| <ul style="list-style-type: none"> • Auto battery charger, floating/equalizing charge control current 1...5A | <ul style="list-style-type: none"> • Settable delayed start time when mains power is restored, reducing impact on power grid or generator |
| <ul style="list-style-type: none"> • Remote control and management | <ul style="list-style-type: none"> • LED+LCD display |
| <ul style="list-style-type: none"> • internal service bypass | <ul style="list-style-type: none"> • communication protocols: RS232, USB, RS485, NET, Dry contacts, SNMP, Wifi, GPRS |

Application

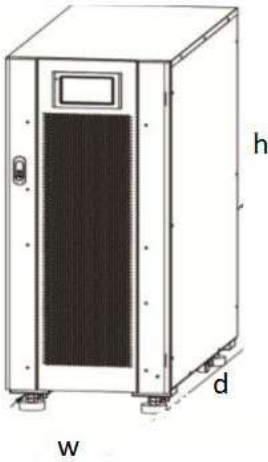
| | | |
|---|---|---|
|  |  |  |
| Telecommunication systems | Servers | Industrial |
|  |  |  |
| Buildings | Laboratory | Motors |

Technical parameters

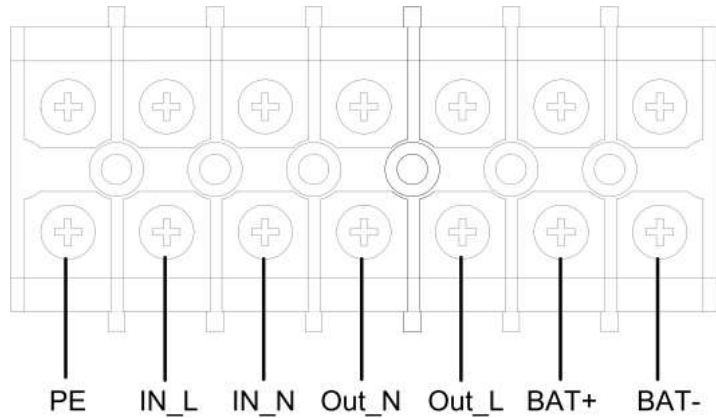
| MODEL | WAKSPower11-G4-06k0-5 | WAKSPower11-G4-06k0-8 | WAKSPower11-G4-10k0-3 | WAKSPower11-G4-10k0-4 | WAKSPower11-G4-06k0-BC192 | WAKSPower11-G4-10k0-BC192 |
|--------------------------|---|-----------------------|-----------------------|-----------------------|-----------------------------|---------------------------|
| Output power | 6kVA / 6kW | 6kVA / 6kW | 10kVA / 10kW | 10kVA / 10kW | 6kVA / 6kW | 10kVA / 10kW |
| INPUT | | | | | | |
| Input voltage (1-phase) | Rated: 230VAC Additional: 208V / 220 V / 230V / 240V (selectable) Input range: 176...288Vac (full power) Bypass: -40%...+15% rated | | | | | |
| Input frequency | 40-70Hz Auto-selection | | | | | |
| Power factor | PF >0,99 | | | | | |
| Connection: | 2x 6mm ² | 2x 10mm ² | | 2x 6mm ² | 2x 10mm ² | |
| OUTPUT | | | | | | |
| Output voltage (1-phase) | Mains mode: 230Vac +/- 1% (options: 208Vac, 220Vac, 240Vac +/- 1%) Battery mode: 230Vac +/- 1% (options: 208Vac, 20Vac, 240Vac +/- 1%) | | | | | |
| Output frequency | 50/60Hz ± 1% (auto-selection), grid synchronization | | | | | |
| Output wave | Mains mode: pure sine Battery mode: pure sine | | | | | |
| Transfer time | Grid -> battery: 0ms To electronic bypass: 4ms | | | | | |
| THD | THD <1% linear THD <4% non-linear | | | | | |
| Connection | 2x 6mm ² | 2x 10mm ² | | 2x 6mm ² | 2x 10mm ² | |
| Efficiency | Mains mode: >94% (max) ECO mode: >98% | | | | | |
| Output power factor | 1.0 | | | | | |
| Crest factor | 3:1 | | | | | |
| Load type | Resistance, inductive, rectifier | | | | | |
| Overload | 105%...110%: 10min 110%...125%: 1min 126...150%: 30sek | | | | | |
| BATTERY | | | | | | |
| Battery type: | Lead acid VRLA AGM 12V | | | | | |
| Charger current: | 1A | | | 1...5A | | |
| Q-ty: | 16...20pcs (default 16pcs) | | | | | |
| Q-ty: | 16szt 12V/7Ah | 16szt 12V/9Ah | 16szt 12V/7Ah | 16szt 12V/9Ah | None, external battery bank | |
| Capacity | 12V: 9Ah or 12V:7Ah | | | | --- | |
| Battery chain | Default: 192Vdc Settable: 192...240Vdc | | | | | |
| Charging time | 10h | | | | | |

| MODEL | WAKSPower11- G4-06k0-5 | WAKSPower11- G4-06k0-8 | WAKSPower11- G4-10k0-3 | WAKSPower11- G4-10k0-4 | WAKSPower11- G4-06k0-BC192 | WAKSPower11- G4-10k0-BC192 |
|--|--|---------------------------|---------------------------|---------------------------|--------------------------------------|-------------------------------|
| Output power | 6kVA / 6kW | 6kVA / 6kW | 10kVA / 10kW | 10kVA / 10kW | 6kVA / 6kW | 10kVA / 10kW |
| BACKUP TIME | | | | | | |
| For 100% load | 4min | 6min | 2min | 3min | 5min – 2h (external battery bank) | |
| For 75% load | 5min | 8min | 3min | 4min | | |
| For 50% load | 7min | 10min | 5min | 7min | | |
| For 25% load | 10min | 12min | 10min | 12min | | |
| DIMENSIONS | | | | | | |
| Weight netto/brutto (kg) | 53/61kg | 61/70kg | 54/62kg | 62/70kg | 14,5/16kg | 16,5/18kg |
| Dimension w / d / h (mm) | 191/465/711mm | | 191/465/711mm | | 191/465/ 350mm | 191/495/ 350mm |
| Packing w / d / h (mm) | 310/654/941mm | | | | 318/595/ 475mm | 318/617/ 475mm |
| PROTECTIONS | | | | | | |
| Full protections | Overload, short-circuit, overtemperature, battery low voltage, overvoltage, undervoltage, fan failure | | | | | |
| ENVIRONMENT | | | | | | |
| Humidity | 0~95% RH @ 0~40°C (non-condensation), IP20 | | | | | |
| Noise | <55dB, Fan speed control | | | | | |
| COMMUNICATIONS | | | | | | |
| Port USB (standard) Port RS232 (standard) | Linux, Windows®98 Server 2016, Windows®98/2000/2003/XP/Vista/2008/Windows®7/Windows®8/ Windows®10/, UPSmart | | | | | |
| Slot (one) | KU-CARD-SNMP, serial network managing protocol | | | | | |
| | KU-CARD-AS400, dry contact | | | | | |
| | KU-CARD-GPRS | | | | | |
| | KU-CARD-MODBUS | | | | | |
| EPO (standard) Dry contact | Emergency Power OFF socket | | | | | |
| REGULATIONS | | | | | | |
| Topology | VFI-SS-111 | | | | | |
| LVD | EN62040-1-1 | | | | | |
| EMC | EN62040-2 | | | | | |
| | EN61000-4-2 | | | | | |
| | EN61000-4-3 | | | | | |
| | EN61000-4-4 | | | | | |
| | EN61000-4-5 | | | | | |
| | EN61000-2-2 | | | | | |

View:



Connections:



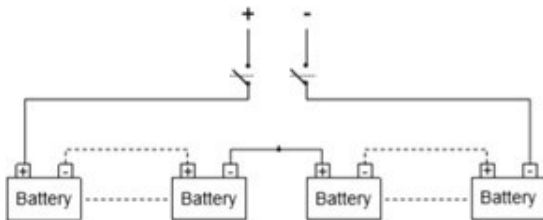
BAT+ BAT- Battery connection

IN_L, IN_N, Input

OUT_L, OUT_N Output

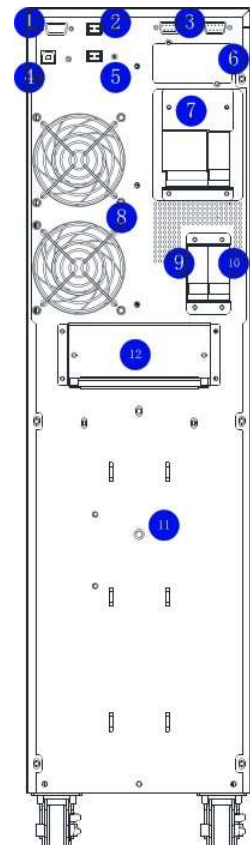
PE Ground

Battery connection 16-20pcs:



Rear panel:

- 1 – Port RS232 (DB9)
- 2 – EPO
- 3 – parallel slot
- 4 – port USB (type B)
- 5 – battery temp slot
- 6 – SNMP/AS400 slot
- 7 – Reserved (cover)
- 8 – Fan
- 9 – Bypass switch
- 10 – Input breaker
- 11 – GND
- 12 – Input/output cover



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