

TRUE ONLINE HIGH POWER UPS PF 1.0

WAKSPOWER11-G4

6-10kVA, PF=1.0



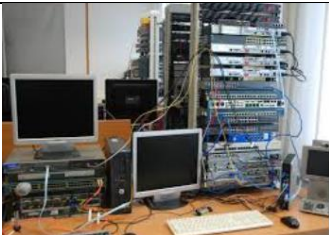
WAKSPOWER11-G4-06k0-5
WAKSPOWER11-G4-06k0-8
WAKSPOWER11-G4-10k0-3
WAKSPOWER11-G4-10k0-4
WAKSPOWER11-G4-06k0-BC192
WAKSPOWER11-G4-10k0-BC192

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Features

• Pure sine output wave (true sin),	• Output power factor: 1.0 • Input power factor: 0,99
• True online double conversion – topology VFI-SS-111 High-frequency	• Advanced DSP technology • Long backup time
• Tower standalone • 1phase -> 1phase	• Dual-input design • Bypass available
• Output voltage independent • Paraller worku p 4pcs • Flexible battery configuration	• Advanced fan magagment • Efficiency 94% (in mode Eco 98%) • Cold start
• Auto battery charger, floating/equalizing charge control current 1...5A	• Settable delayed start time when mains power is restored, reducing impact on power grid or generator
• Remote communication, self-diagnosis	• LED+LCD display
• A wide range of options and parameters available in the user menu. • BYPASS service	• Communication protocols: RS232, USB, RS485, NET, Dry ontacts, SNMP, Wifi, GPRS

Application

		
Telecominication systems	Servers	Industrial
		
Buildings	Laboratory	Motors

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Technical parameters

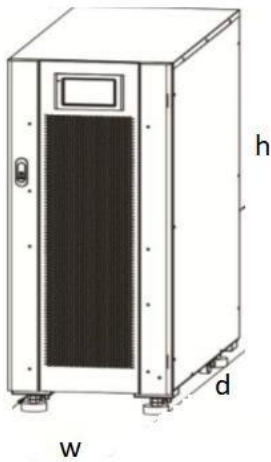
MODEL	WAKSPower11-G4-06k0-5	WAKSPower11-G4-06k0-8	WAKSPower11-G4-10k0-3	WAKSPower11-G4-10k0-4	WAKSPower11-G4-06k0-BC192	WAKSPower11-G4-10k0-BC192
Output power	6kVA / 6kW	6kVA / 6kW	10kVA / 10kW	10kVA / 10kW	6kVA / 6kW	10kVA / 10kW
INPUT						
Input voltage (1-phase)	Rated: 230VAC Additional: 208V / 220 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						
Ouput voltage (1-phase)	Mains mode: 230Vac +/- 1% (options: 208Vac, 220Vac, 240Vac +/- 1%) Battery mode: 230Vac +/- 1% (options: 208Vac, 20Vac, 240Vac +/- 1%)					
Ouput 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 lub 12V:7Ah				---	
Battery chain	Default: 192Vdc Settable: 192...240Vdc					
Charging time	10h					

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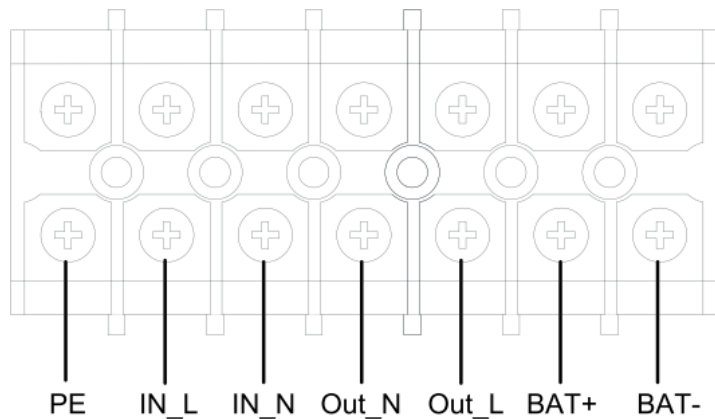
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Output power	6kVA / 6kW	6kVA / 6kW	10kVA / 10kW	10kVA / 10kW	6kVA / 6kW	10kVA / 10kW
BACKUP TIME						
For 100% load	4min	6min	2min	3min	5min – 2h (external battery bank)	
For 75% load	5min	8min	3min	4min		
For 50% load	7min	10min	5min	7min		
For 25% load	10min	12min	10min	12min		
DIMENSIONS						
Weight netto/brutto (kg)	53/61kg	61/70kg	54/62kg	62/70kg	14,5/16kg	16,5/18kg
Dimmension 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	Overloan, short-circuit, overtemperature, battery low voltage, overvoltage, undervoltage, fan failure					
ENVIROMENT						
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					

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View:



Connections:



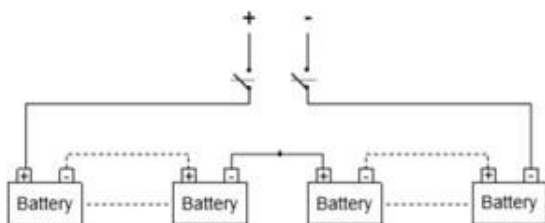
BAT+ BAT- Battery connection

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

