

OTO Series

oger



3 kinds of LCD can be selected



Colourful LCD



Gray LCD



Blue LCD



Battery cabinet
(Optional)



Optimized battery configuration
7Ah/9Ah (12V)

Features:

- N+X parallel redundancy, support maximum 4 units in parallel
- Online double conversion with full digital control
- Optimization battery group, the quantity of battery: 16/18/20pcs (Settable)
- Wide input voltage range: 110~286Vac
- Wide input frequency range
- Selectable output voltage: 208/220/230/240Vac
- Generator compatible
- ECO mode operation for energy saving
- Self-testing when UPS startup
- Multiple communication interface: RS232/USB/EPO (Relay card/SNMP card optional)
- Maximum charging current up to 10A
- Cold start function
- Design with maintenance switch (Optional)
- Intelligent fan speed regulation
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm



ON LINE



TOWER



DATA CENTRE



E-MEDICAL



INDUSTRY



TRANSPORT



EMERGENCY

OTO Series

www.ogerpower.com

OTO Series

Model		OTO 3K H	OTO 3K S	OTO 6K H	OTO 6k S	OTO 10K H	OTO 10k S
Capacity		6000VA/5400W			10000VA/9000W		
INPUT							
Nominal voltage		208/220/230/240Vac					
Input voltage range		110~286Vac					
Power factor		≥0.99					
Bypass voltage range		Max.voltage: 220V± 25% (Optional± 10%, +15%, +20%) 230V: +20% (Optional± 10%, +15%) 240V: +15% (Optional± 10%) Min.voltage: -45% (Optional± 20%, -30%)					
FREQUENCY							
Frequency range		40~70Hz (50/60Hz Auto-Sensing)					
OUTPUT							
Output voltage		208/220/230/240Vac					
Voltage regulation		±1%					
Power factor		0.9					
Output frequency	Line mode	±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional)					
	Bat. mode	(50/60±0.1%)Hz					
Crest factor		3:1					
Harmonic distortion (THDv)		≤2% Linear load					
		≤5% Non linear load					
Transfer time	AC mode to Bat.mode	0ms					
	Inverter to Bypass	0ms					
Output waveform		Pure Sinewave					
Overload	Line mode	Load≤110% last 60min; ≤125% last 10min; ≤150% last 1min; >150% turn to bypass mode immediately					
	Bypass mode	40A (Breaker)		63A (Breaker)			
Efficiency		up to 93.5%					
BATTERY							
Battery voltage		±96/±108/±120Vdc (Settable)		±120Vdc		±96/±108/±120Vdc (Settable)	
Capacity (Standard unit)		9Ah/12V (7Ah/12V optional)					
Typical recharging time		6~8 hours (To 90% of full capacity)					
Charging current		1.35A default; Max.current 10A (Charging current can be set according to battery capacity)					
INDICATORS							
LED display		Line mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault					
LCD display		Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time					
ALARM							
Battery mode		Beeping every 4 seconds					
Battery low		Beeping every second					
Overload		Beeping twice every second					
Fault		Continously beeping					
PHYSICAL							
Dimension W×D×H		H: 191×460×337mm; S: 191×460×720mm (With wheel)					
Net weight		12.5kg		70kg		14kg	
ENVIRONMENT							
Operating temperature		0 ~40					
Storage temperature		-25 ~55					
Humidity range		20~95%RH @ 0-40 (Non condensing)					
Altitude		<1500m, derating required when >1500m					
Noise level		<55dB at 1 Meter			<58dB at 1 Meter		
STANDARDS							
Safety		IEC/EN 62040-1, IEC/EN 62477-1					
EMC		IEC/EN 62040-2 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2)					

1. When output voltage is 208Vac, need to derate to 80% of the unit capacity
2. Specifications are subject to change without prior notice
3. Data above are typical values for reference only, not as a basis for engineering design

OBO battery pack, VRLA

	OBO40120N/OBO40120N-B
BATTERY SYSTEM	
Battery type	VRLA (Lead acid maintenance free battery)
Typical battery recharging time	6~8 hours (To 90% of full capacity)
Typical battery life	3~5 years, depend on discharging cycle and ambient temperature
System voltage	±120Vdc
Battery quantity	2×20 PCS
Capacity	9Ah (12V)
PHYSICAL	
Dimension W×D×H	250×619×616mm (With wheel)
Net weight	134kg
ENVIRONMENT	
Safety	CE
Operating environment	0 ~40
Relative humidity	0~95% (Non condensing)
Noise level	<40dB at 1 Meter

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3. Remark: TC40120N; "TC" means Tower cabinet; "40" means battery number inside the cabinet;
"120" means the battery system voltage; "N" means battery with neutral connection

