

Kohler PW1000/OT

(1–20 kVA)



The Kohler PW1000/OT is an online double conversion single-phase UPS that delivers a continuous sinusoidal voltage to ensure maximum power protection, while filtering and stabilising the power supplied to protect against mains disturbances.



This tower design UPS is available in 1, 2, 3, 6, 10, 15 and 20kVA models. With a 0.9 power factor and high efficiency up to 96.5%, it combines all the smart functionality you would expect with a standard digital display and a wide range of communications interface options.

Key features

- Online double-conversion technology
- Power range: 1, 2, 3, 6, 10, 15 & 20 kVA
- 0.9 power factor
- Up to 96.5% efficiency (ECO mode)
- LCD/LED display
- Tower design
- Interfaces – RS-232, SNMP, USB, dry contact relay
- Extended battery autonomy options

Technical specification

Model	1kVA/900W	2kVA/1.8kW	3kVA/2.7kW	6kVA/5.4kW	10kVA/9kW	15kVA/13.5kW	20kVA/18kW
Input							
Phase	Single + G			1Φ, line+ neutral+ground	1Φ, line+ neutral+ground; 3Φ, R,S,T + neutral+ground	3Φ, R,S,T + neutral+ground	
Voltage range	110–300 VAC			110-280 VAC (1Φ)	110–280 VAC (1Φ) / 277–485 VAC (3Φ)	277–485 VAC (3Φ)	
Frequency range	44–66Hz (auto sensing)				45–65Hz		
Input power factor	>0.99 @ 100% linear			Up to 0.99 (1Φ) / 0.95 (3Φ) at linear load			
Output							
Voltage	200/208/220/230/240 VAC						
Capacity	900W	1800W	2700W	5400W	9000W	13500W	18000W
Power factor	0.9						
Voltage distortion	<3% @100% linear load, 7% @100%non-linear load			<3% @100% linear load			
Voltage regulation	±1%						
Frequency range	44–66Hz (auto sensing)			±1Hz or ±3Hz (selectable battery mode)			
Crest factor	3.1						
Output waveform	Pure sine wave						

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Efficiency							
Line mode	Up to 92%						
High efficiency mode	Up to 96.5%						
Battery							
Capacity	12VDC/7Ah		12VDC/9Ah	12VDC/5Ah or 12VDC/7Ah	12VDC/9Ah VDC	NA	
Battery number	3	6	6	20			
Battery voltage	36VDC	72VDC	72VDC	240VDC			
Display							
LCD	Voltage/frequency/load level/output current/estimated autonomy						
Self-diagnostics	Upon power-on, front panel setting and software control, 24-hours routine checking						
Environmental							
Operation temperature	0–40°C/32–104°F						
Operation humidity	20–95%RH (without condensing)			20–90%RH (without condensation)			
Altitude	1000m/3280ft without derating						
Noise level	≤50dBA@ 1 metre front			≤50dBA		≤60dBA	
Interface							
Type	Standard RS-232, EPO			Standard RS-232		Standard RS-232, EPO	
Communication slots	USB, dry contact relay, SNMP/WEB card			2nd RS232, USB, RS485, relay contact, SNMP/WEB card, etc			
Compatible platforms	Microsoft Windows series, Linux, Mac, etc						
Standards and certifications							
Safety	EN62040-1, UL1778					EN62040-1-1	
EMC	EN62040-2, EN61000-3-3, EN61000-3-3, FCC class A					EN62040-2	
Certification	CE						
Other							
Audible or visual alarm	Line failure/battery low/transfer to bypass/system fault						
Protection	Overload, over temperature, short circuit, discharge, overcharge						
Function: multi mode	Normal/ECO/CVCF						
Function: DC start	Yes			Up to 90% (line mode)		Up to 90% (without transformer)	
Dimensions (cm) WxDxH	154 x 211 x 383	192 x 250 x 470	192 x 250 x 525	290 x 645 x 748			
Weight (kg)	11	23	25	86	96	60	

Model	BT06036X	BT12072X
Extended battery cabinets		
Number of batteries	6	12
Battery type	Lead acid maintenance free 12V 7Ah/9Ah	
Dimensions (mm) WxDxH	154 x 258.7 x 404	192 x 320 x 553

Specification is subject to change without prior notice.

KOHLER POWER
uninterruptible

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