



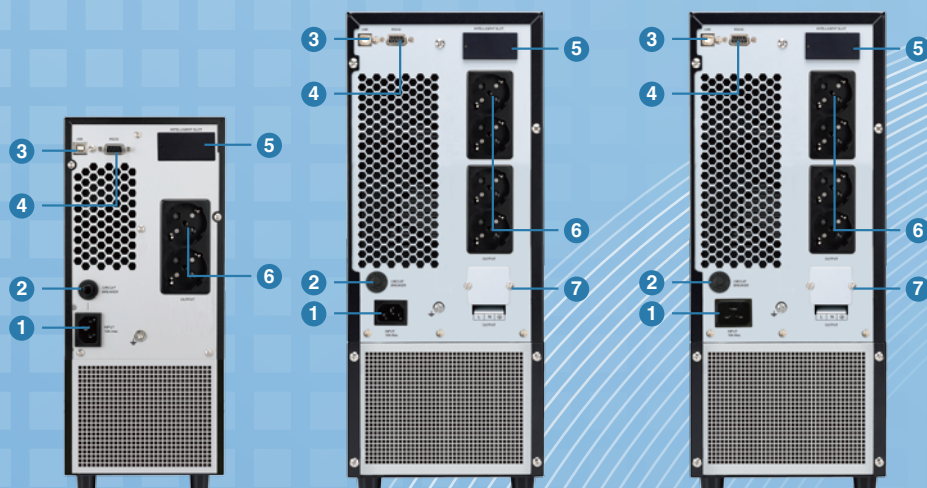
▲ EXO 2 / EXO 3K

▲ EXO 1K

with isolation transformer

HIGH PERFORMANCE TRUE DOUBLE CONVERSION ONLINE UPS

- DSP control optimizes reliability
- High input power factor >0.99
- Output power factor 0.9
- Wide input voltage range
- Converter mode available
- Generator compatible
- Auto self-testing system
- Extendable runtime
- Multiple communication ports
- Power management software
- Optional SNMP, Relay, WIFI cards
- Temperature compensation
- Efficiency mode (ECO)
- Compact design



1-3K

- 1.AC input
- 2.Input circuit breaker
- 3.USB communication port
- 4.RS-232 communication port
- 5.SNMP intelligent slot (option)
- 6.Output receptacles
- 7.Output terminal

MODEL			EXO 1K	EXO 2K	EXO 3K
INPUT	Voltage Range	Low Line Transfer	180VAC/160VAC/140VAC/120VAC±5% (Ambient Temp.<35°C) (based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0)		
		Low Line Comeback	195VAC/175VAC/155VAC/135VAC ± 5 % (Ambient Temp.<35°C) (based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0)		
		High Line Transfer	300 VAC ± 5 %		
		High Line Comeback	290 VAC ± 5 %		
	Frequency Range		40Hz ~ 70 Hz		
	Phase		Single phase with ground		
	Power Factor		≥ 0.99 @ nominal voltage (input voltage)		
OUTPUT	Output voltage		208/220/230/240VAC		
	AC Voltage Regulation		±1% (Batt. Mode)		
	Frequency Range		47 ~ 53 Hz or 57 ~ 63 Hz (Synchronized Range)		
	Frequency Range (Batt. Mode)		50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz		
	Overload	Ambient Temp.<35°C			
		105%~110%: UPS shuts down after 10 minutes at battery mode or transfer to bypass when the utility is normal			
		110%~130%: UPS shuts down after 30 seconds at battery mode or transfer to bypass when the utility is normal			
		130%~150%::UPS shuts down after 3 seconds at battery mode or transfer to bypass when the utility is normal			
		>150%: UPS immediately shuts down.			
	Current Crest Ratio		3:1		
	Harmonic Distortion		≤ 3 % THD (linear load); ≤ 6 % THD (non-linear load)		
Transfer Time	AC Mode to Batt. Mode	Zero			
	Inverter to Bypass	4 ms (Typical)			
Waveform (Batt. Mode)		Pure Sinewave			
EFFICIENCY	AC Mode		82.5%	84%	85%
	Battery Mode		76.5%	80%	80%
BATTERY	Battery Type		12V / 7AH or 12 V / 9AH		
	Numbers		3	6	6 8
	Recharge Time		4 hours recover to 90% capacity (Typical)		
	Charging Current		1.0 A (max.)		
	Charging Voltage		41.0VDC ± 1%	82.1 VDC ±1%	82.1 VDC ±1% 109.4 VDC ±1%
PHYSICAL	Dimension, DxWxH(mm)		397 X 145 X 332	421 X 190 X 448	
	Net Weight (kgs)		23 / 24.2	48.1 / 50.5	48.9 / 51.3 53.8 / 57
ENVIRONMENT	Operation Humidity		20-90 % RH @ 0- 40°C (non-condensing)		
	Noise Level		Less than 50dBA @ 1 Meter		
MANAGEMENT	Smart RS-232 or USB		Supports Windows® 2000/2003/XP/Vista/2008/7/8, Linux, Unix and MAC		
	Optional SNMP		Power management from SNMP manager and web browser		

* Derate capacity to 70% of capacity in Frequency converter mode or when the output voltage is adjusted to 208VAC.
 ** Product specifications are subject to change without further notice.