

External Maintenance Bypass Switch



Remote Control & Monitoring Agent



- * Ultra-compact, light and fast tool to remotely monitor and manage any UPS system
- * Supports multiple languages and web-based auto language detection.

ONYX 1K/1.5K/2K/3K/6K/10K ONLINE UPS SELECTION GUIDE

MODEL	ONYX 1K (L)	ONYX 1.5K (L)	ONYX 2K (L)	ONYX 3K (L)	ONYX 6K (L)	ONYX 10K (L)	ONYX 3/1-10K (L)	ONYX 3/1-20K (L)	
Phase	Single phase in/Single phase out						3 phase in / 1 phase out		
CAPACITY	1000 VA/600 W	1500 VA/1200 W	2000 VA/1600 W	3000 VA/2400 W	6000 VA/4800 W	10000 VA/8000 W	10000 VA/8000 W	20000 VA/16000 W	
INPUT									
Voltage Range	Low Line Transfer	160 VAC / 140 VAC / 120 VAC / 110 VAC ± 5% 80 VAC / 70 VAC / 60 VAC / 50 VAC ± 5% (based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0)			176 VAC @ 100% load 110 VAC @ 50% load		176 VAC (phase voltage) @ 100% load 110VAC (phase voltage) @ 50% load		
	Low Line Comeback	175 VAC ± 5 % or 85 VAC ± 5 %			186 VAC @ 100% load 120 VAC @ 50% load		186 VAC (phase voltage) @ 100% load 120 VAC (phase voltage) @ 50% load		
	High Line Transfer	300 VAC ± 5 % or 150 VAC ± 5 %			300 VAC		300 VAC (phase voltage)		
	High Line Comeback	290 VAC ± 5 % or 145 VAC ± 5 %			290 VAC		290 VAC (phase voltage)		
Frequency Range	47.5Hz ~ 52.5 Hz or 57Hz ~ 63 Hz			46-54Hz 50Hz/56-64Hz 60Hz		46-54Hz 50Hz/56-64Hz 60Hz			
Phase	Single phase with ground						3-phase with neutral and ground		
Power Factor	0.95			0.99 @ 100%load		0.99 @ 100%load			
OUTPUT									
AC Voltage Regulation (Batt. Mode)	± 3%			± 1%		± 1%			
Frequency Range (Synchronized Range)	48 ~ 52 Hz or 57 ~ 63 Hz			46-54 Hz 50 Hz / 56-64 Hz 60Hz		46-54Hz 50Hz / 56-64Hz 60Hz			
Frequency Range (Batt. Mode)	50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz			50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz		50 / 60Hz ± 0.1 Hz			
Current Crest Ratio	3:1			3:1		3:1			
Harmonic Distortion	3 % THD (Linear Load)		4 % THD (Linear Load)		2 % THD (Linear Load)		2 % THD (Linear Load)		
	6 % THD (Non-linear Load)		7 % THD (Non-linear Load)		6 % THD (Linear Load)		6 % THD (Linear Load)		
Transfer Time	AC Mode to Batt. Mode	Zero			Zero		Zero		
	Inverter to Bypass	4 ms (Typical)			Zero		Zero		
Waveform (Batt. Mode)	Pure sine wave								
EFFICIENCY									
AC Mode	85%			88%		90%		90%	
Battery Mode	83%			88%		88%		88%	
BATTERY									
Standard Model	Battery Type	12 V / 7AH	12 V / 9 AH	12 V / 7 AH	12 V / 9 AH	12 V / 7 AH	12 V / 9 AH	12 V / 9 AH	
	Numbers	3	3	6	6	20	20	20	
	Typical Recharge Time	4 hours recover to 90% capacity			7 hours recover to 90% capacity		8 hours recover to 90% capacity	8 hours recover to 90% capacity	
	Charging Current (max.)	1.0 A			1.0 A		1A	2A	
	Charging Voltage	41.0 VDC ± 1%		82.1 VDC ± 1%		273.0 VDC		273.0 VDC	
Long-run Model	Battery Type	Depending on the capacity of external batteries							
	Numbers	Depending on the capacity of external batteries							
	Charging Current (max.)	8.0 A			4.0 A		4A	8A	
	Charging Voltage	41.0 VDC ± 1%		82.1 VDC ± 1%		273.0 VDC		273.0 VDC	
INDICATORS									
LCD Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions								
ALARM									
Battery Mode	Sounding every 4 seconds								
Low Battery	Sounding every second								
Overload	Sounding twice every second								
Fault	Continuously sounding								
PHYSICAL									
Standard Model	Dimension,DXW XH (mm)	397 x 145 x 220		421 x 190 x 318		592 x 250 x 576		592 x 250 x 576	
	Net Weight (kgs)	13.18		28.1		81		83	
Long-run Model	Dimension,DXW XH (mm)	397 x 145 x 220		421 x 190 x 318		592 x 250 x 576		592 x 250 x 576	
	Net Weight (kgs)	6.86		12.93		22		24	
ENVIRONMENT									
Operation Humidity	20-90 % RH @ 0- 40°C (non-condensing)								
Noise Level	Less than 45dB @ 1 Meter			Less than 55dB @ 1 Meter					
MANAGEMENT									
Smart RS-232	Supports Windows* family, Novell, Linux and FreeBSD								
USB	Supports Windows* family, Novell, Linux and FreeBSD								
Optional SNMP	Power management from SNMP manager and web browser								

* L means long-run model