

# The OLC-UPS™ Series

E2L™

P211E



## The OLC-UPS Series

The OLC-UPS™ Series is a double conversion true online Uninterrupted Power Supply offering superior input voltage window for energy saving, ECO mode and a super powerful charger.

The OLC-UPS™ Series is particularly adapted to very sensitive loads that cannot accept any transfer time like medical devices, telecom equipment, networks, automatic control systems or other critical systems.

## Advanced Features

- True online double conversion.
- Mimic LCD Display with multifunction parameter settings and operational status.
- Wide input voltage range for the harshest environment.
- Support generator input.
- Super powerful charger for battery backup extension.
- Support economic operation mode.
- Cold start function is built-in.
- Bundled communication software supports windows application, etc.
- Matching battery pack.
- 3 level intelligent charging modes.
- Output power factor 0.9.
- >90% high efficiency.

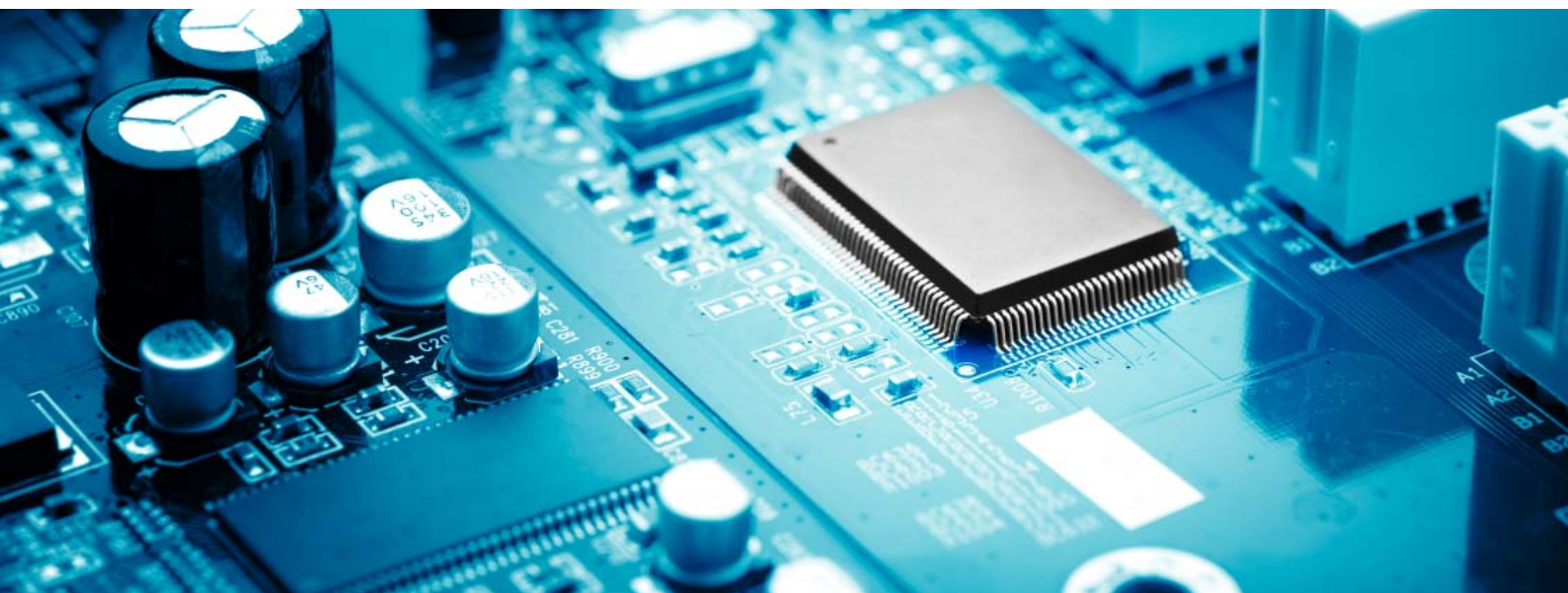


# Technical Specifications

Capacity (VA/W)		1000VA/900W		2000VA/1800W		3000VA/2700W		
Input	Phase	Single phase & Ground						
	Rated Voltage	100/110/115/120/127VAC or 200/208/220/230/240VAC						
	Voltage Range	55~145VAC or 110~300VAC						
	Frequency Range	40Hz-70Hz(auto detect)						
	Power Factor	≥0.99						
	Bypass Voltage Range	<b>Bypass high voltage point</b> <b>For 200/208/220/230/240 VAC models:</b> 230-264: setting the high voltage point in LCD from 230Vac to 264Vac. (Default: 264Vac) <b>For 100/110/115/120/127 VAC models:</b> 115-132: setting the high voltage point in parameter 3 from 115Vac to 132Vac(Default: 132Vac) <b>Bypass low voltage point</b> <b>For 200/208/220/230/240 VAC models:</b> 170-220: setting the low voltage point in LCD from 170Vac to 220Vac. (Default: 170Vac) <b>For 100/110/115/120/127 VAC models:</b> 95-110: setting the low voltage point in parameter 3 from 95Vac to 110Vac. (Default: 95Vac)						
	ECO Range	same as the bypass						
	Generator Input	Support						
Output	Phase	Single phase & Ground						
	Rated Voltage	100/110/115/120/127VAC or 200/208/220/230/240VAC						
	Power Factor	0.9						
	Voltage Regulation	±1%						
	Frequency	Utility Mode	47~53Hz(for 50Hz) or 57~63Hz(for 60Hz)					
		Battery Mode	50/60Hz±0.01Hz					
	Crest Factor	3:1						
	THDv	≤3% with linear load ≤6% with non linear load						
Waveform	Pure Sinewave							
Efficiency	AC Mode(full load)	> 88%		> 89%		> 90%		
Battery	Voltage	24Vdc	36Vdc	48Vdc	72Vdc	72Vdc	96Vdc	
	Quantity	2pcs	3pcs	4pcs	6pcs	6pcs	8pcs	
	Capacity(standard unit)	12V/9AH	N/A	12V/9AH	N/A	12V/9AH	N/A	
	Backup	Long run unit depends on the capacity of external batteries						
	Recharge time to 90%	4 hours						
Charging Current(Built-in/Max.)	1A	Max. 6A	1A	Max. 6A	1A	Max. 6A		
Transfer Time	Utility to Battery : 0ms; Utility to bypass: <4ms							
Protection	Overload	AC Mode	<b>Ambient Temp.&lt;35℃</b> 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 1minute at battery mode or transfer to bypass when the utility is normal >130%:UPS shuts down after 3 seconds at battery mode or transfer to bypass when the utility is normal					
		Bat. Mode	<b>35℃&lt;Ambient Temp.&lt;40℃</b> 105%~110%: UPS shuts down after 1 minutes at battery mode or transfer to bypass when the utility is normal >110%:UPS shuts down after 3 seconds at battery mode or transfer to bypass when the utility is normal					
		Bypass Mode	10A(Input breaker)	16A(Input breaker)	20A(Input breaker)			
	Short Circuit	Hold Whole System						
	Overheat	Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately						
	Battery Low	Alarm and Switch off						
	EPO(optional)	Shut down UPS immediately						
	Battery	Advanced Battery Management						
Alarms	Audible & Visual	Line Failure, Battery Low, Overload, System Fault						
Display	Status LED & LCD	Line Mode, Backup Mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault						
	Reading On the LCD	Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage						
Physical	Dimension(WxHxD)mm	144x209x291		144x209x397		144x209x397		
	Weight (Kg)	9.8	4.1	17	6.8	27.6	7.4	
Communication Interface	Communication Port	RS232 or USB						
	Communication Slot	SNMP Card, Relay card,etc.						
Environment	Operating Temperature	0℃~40℃						
	Storage Temperature	-25℃~+55℃						
	Humidity	20~90% non condensing						
	Altitude	< 1500m (derating while >1500m)						
Noise	<50dB(at 1 meter)							
Safety Conformance	IEC/EN62040-1-1, IEC/EN62040-2							

## Ordering Information

Ref Number	Description
OLC-1000I	Convertible OL-UPS 1000 VA / 230 V, 50/60 Hz (including 2x12v/9AH SLA battery)
OLC-2000I	Convertible OL-UPS 2000 VA / 230 V, 50/60 Hz (including 3x12v/9AH SLA battery)
OLC-3000I	Convertible OL-UPS 3000 VA / 230 V, 50/60 Hz (including 6x12v/9AH SLA battery)
OLC-SNMP	Convertible OL-UPS internal SNMP Card
OLC-CBL	Convertible OL-UPS cables for external batteries
OLC-DRY	Convertible OL-UPS Relay card for dry contacts
OLC-USB	Convertible OL-UPS USB card
OLC-1000BP	Convertible battery pack for OLC-1000 (including 6 x 12V/7AH SLA batteries), 24VDC
OLC-2000BP	Convertible battery pack for OLC-2000 (including 12 x 12V/7AH SLA batteries), 48VDC
OLC-3000BP	Convertible battery pack for OLC-3000 (including 12 x 12V/9AH SLA batteries),72VDC



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