



The Memopower double conversion true on-line series, superior input voltage window for energy saving, ECO mode, super powerful charger, is an ideal solution to your computer center, network center, communication system, automatic control system or other critical systems.

#### Features

- True Online Double Conversion
- Mimic LCD Display with Multifunction Parameter Settings & 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 Models Available

# Memopower Online Tower UPS Series

UDC9101 | UDC9102 | UDC9103

Memopower Online Tower UPS Series

Model			UDC9101S	UDC9101H	UDC9102S	UDC9102H	UDC9103S	UDC9103H
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. 12A	1A	Max. 12A	1A	Max. 12A
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		144x209x293		144x209x399		191x337x460	144x209x399
	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					

\* Derate to 80% of capacity when the output voltage is adjusted to 100/200/208VAC  
\* Product specifications are subject to change without further notice.

