



The Memopower double conversion true on-line series, featured with DSP-controlled technology, superior input voltage window for energy saving, ECO mode, parallel capability(for 6K/10KVA), smart fan-speed control, optional 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 with DSP Control
- Mimic LCD Display with Multifunction Parameter Settings & operational status
- Superior wide input voltage range for the harshest environment.
- Smart fan-speed control design
- Support Generator Input
- Support Economic Operation Mode
- Optional Powerful Charger for battery backup extension.
- Configurable Battery Voltage Setting may easily adapt to user's demand(for 6KVA up)
- Cold Start Function is built-in.
- Bundled Communication Software supports Windows application, etc.
- Parallel up to Four Units(for 6KVA up)
- Common Battery when several UPS in Parallel
- Three Phase/Single Phase 10KVA/15KVA/20KVA are also available.

Memopower Online Tower UPS Series

YDC9101 | YDC9102 | YDC9103 | YDC9106 | YDC9110

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Model	YDC9101		YDC9102		YDC9103		YDC9106		YDC9110			
Capacity (VA/W)	1000VA/800W		2000VA/1600W		3000VA/2400W		6000VA/4800W		10000VA/8000W			
Input	Phase	Single phase & Ground										
	Rated Voltage	200/208/220/230/240VAC								220/230Vac		
	Voltage Flange	115-285Vac								120-278Vac		
	Frequency Range	45Hz-65Hz(auto detect)								40-70Hz(auto detect)		
	Power Factor	≥0.98								≥0.99		
	Current THDI	<7% at 100% non-linear load								≤5% at non-linear load		
	Bypass Voltage Range	Max.voltage: +15%(optional +5%, +10%, +25%) Min. voltage: -15% (optional -20%, -30%) Frequency protection range: ±10%										
	ECO Range	same as the bypass										
	Generator Input	Support										
	Output	Phase	Single phase & Ground									
Rated Voltage		200/208/220/230/240VAC								220/230Vac		
Power Factor		0.8										
Voltage Regulation		±2%										
Frequency		Utility Mode	50Hz or 60Hz(synchronized to Mains)								±1%, ±2%, ±4%, ±5%, ±10% of the rated frequency(optional)	
		Battery Mode	50/60Hz±0.02Hz								50/60Hz±0.2%	
Crest Factor		3:1										
THD		≤3% with linear load ≤5% with non linear load								≤2% with linear load ≤5% with non linear load		
Waveform		Pure Sinewave										
AC Mode(full load)		>88%		>90%		>90%		≥90%				
ECO Mode(full load)			>94%				≥98%					
Battery	Voltage	24Vdc	48Vdc	72Vdc	192/216/240Vdc configurable front LCD panel							
	Quantity	2pcs	4pcs	6pcs	16pcs(optional 18/20pcs)							
	Capacity(standard unit)	12V/7AH				7AH		9AH				
	Backup	Half Load>=8 min; Full load>=3 min.								Full load>=2 min.		
	Recharge time to 90%	5 hours										
	Charging Current (Built-in/Optional)	1A/6A										
Transfer Time	Utility to Battery : 0ms; Utility to bypass: <4ms											
Protection	Overload	AC Mode	Load≤100%-150%: last 30S, ≥150%: last 300ms then shut down UPS immediately.								Load≤110%: last 60min., ≤125%: last 10 min., ≤150%: last 1min., ≥150% shut down UPS immediately.	
		Bat. Mode	Load≤100%-150%: last 30S, ≥150%: last 300ms then shut down UPS immediately.								Load≤110%: last 60min., ≤125%: last 10 min., ≤150%: last 1min., ≥150% shut down UPS immediately.	
		Bypass Mode	Load > 130%: 60S then shut down output								40A(Input Breaker) 60A(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										
	Self-diagnostics	Upon Power On and Software Control										
	EPO(optional)	Shut down UPS immediately										
	Battery	Advanced Battery Management										
	Noise Suppression	Complied with EN62040-2										
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, Inner Temperature										
Physical	Dimension(WxHxD)mm	144x215x361	191x337x428			250x655x590						
	Weight (Kg)	10.2	19.5	24	70	80						
	Input Connection	IEC320-C14-10A	IEC320-C20-16A	IEC320-C20-16A			Hardwire					
	Output Connection	IEC320-C13-10A x 3	IEC C13-10A x 4	IEC320 C13-10A x 4 & C19-16A x 1			Hardwire					
Communication Interface	Communication Port	RS232/USB								RS232/RS485		
	Communication Slot	SNMP Card, Dry Contact Board, etc.								SNMP Card, Dry Contact Board, Parallel Module, Centralized monitoring Card		
Environment	Operating Temperature	0°C-40°C										
	Storage Temperature	-25°C-+55°C										
	Humidity	0-95% non condensing										
	Altitude	< 1500m (derating while >1500m)										
Noise	<50dB(at 1 meter)								<60dB(at 1 meter)			
Safety Conformance	CE,EN/IEC 62040-2,EN/IEC 62040-1-1											



Specifications subject to change without prior notice.

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