KSTAR

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

Memopower Online Tower UPS Series

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 Range	115-295Vac			120-276Vac	
	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: -45% (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)	
	Frequency — 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				
Efficiency	AC Mode(full load)	>89%	>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/ 7A				
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.	
	Overload — 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.	
	Overload — 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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