



The Memopower Convertible Parallel Redundancy online UPS series, featured with up to 93.0% efficiency, rack/tower convertible, N+X Parallel Redundancy, DSP-controlled technology, high input & output power factors, superior input voltage window for energy saving, ECO mode, is an ideal solution to your server, bank, industrial equipment, IT equipment, communication system and other networking equipment, which is demanding for a thorough protection.

## Features

- Rack/Tower Convertible
- Graphic LCD Display with Multifunction Parameter Settings & Mimic Diagram
- Hot Swappable Battery
- N+X Parallel Redundancy
- Online Double Conversion with DSP Control
- High Output Power Factor at 1.0PF
- Low Input Current Distortion
- Green Concept design with Superior Input Voltage Window for Energy Saving
- Efficiency up to 93.0%
- Emergency Power Off
- Support Economic(ECO) Operation Mode
- Settable Battery Voltage
- Temperature-controlled Fan
- Matching Battery Pack
- Common Battery When UPS in Parallel Mode
- Versatile Communication Interfaces Available
- Cold Start
- Communication Software
- Settable Charge Current
- Optional Frequency Converter Mode Supported
- Transformer Module for Galvanic Isolation

# Memopower UDC One-RT Convertible Parallel Redundancy Online UPS Series

UDC One 9106H-RT | UDC One 9110H-RT

Memopower UDC One-RT Convertible Parallel Redundancy on-line UPS series

UPS Module		
MODEL	UDC One 9106H-RT	UDC One 9110H-RT
Capacity (VA/Watts)	6KVA/6KW	10KVA/10KW
<b>INPUT</b>		
Nominal Voltage	208/220/230/240Vac	
Operating Voltage Range	110-300Vac	
Operating Frequency Range	45~55Hz/54~66Hz	
Power Factor	≥ 0.99 @Nominal voltage(100% load)	
Bypass Voltage Range	220Vac max : 10% , 15% , 20% or 25% , default : 25% 230Vac max : 10% , 15% or 20% , default +20% 240Vac max : +10% or 15% , default +15%	
Bypass Frequency Range	±1%、±2%、±4%、±5%、±10%	
ECO Range	Same as the bypass	
Harmonic Distortion(THDi)	≤3%(100% Linear load);≤5%(100% non linear load)	
Generator Input	Support	
<b>OUTPUT</b>		
Rated Voltage	208/220/230/240VAC	
Power Factor	1.0	
Voltage Regulation	±1%	
Frequency	Line Mode	Synchronize to Mains
	Bat.Mode	(50/60±0.1%)Hz
Crest factor	3:1	
Harmonic Distortion(THDv)	≤3% With linear load; ≤5% With non-linear load	
Efficiency	>93%	
<b>BATTERY</b>		
Battery Voltage	±96/±108/±120Vdc	
Capacity(Standard Unit)	12V/7Ah or 12V/9Ah	
Typical Recharging Time	6-8 hours recover to 90% of full capacity	
Charging Current	10A Max. (Standard Unit Set to 1A)	
<b>SYSTEM FEATURES</b>		
Transfer Time	Mains to battery:0ms;Mains to bypass:0ms	
Overload	Line Mode	Load 100~110%: 10min, 110%~130%: 1min, ≥130%: 1 sec
	Bypass Mode	40A(Breaker)   63A(Breaker)
Short Circuit	Hold whole system	
Battery Low	Alarm and switch off	
Self-Diagnostics	Upon power on and software control	
Battery	Advanced battery management	
Audible & Visual Alarms	Line failure,Battery low,Overload,System fault	
LED & LCD Display	Line mode,Bat.mode,ECO mode,Bypass mode,Battery under voltage,Overload & UPS fault	
LCD Display	Input voltage,Input Frequency,Output Voltage,Output Frequency,Load percentage,Battery Voltage,Inner temperature, ect.	
Communication Interface	RS232,USB,Parallel card, EPO and Mini communication slot for optional Mini SNMP card, Mini Relay contact card or Mini Modbus card	
<b>ENVIRONMENT</b>		
Operating Temperature	0°C-40°C	
Storage Temperature	25°C-55°C	
Humidity Range	0-95%(non-condensing)	
Altitude	<1500m	
Noise Level	<55db at 1 meter	
<b>PHYSICAL</b>		
Dimension W*H*D(mm)	440*88*585	
Net Weight(kg)	14	18
<b>STANDARDS</b>		
Safety	IEC/EN 62040-1, IEC/EN 60950-1	
EMC	IEC/EN 62040-2, IEC61000-4-2,IEC61000-4-3, IEC61000-4-4,IEC61000-4-5, IEC61000-4-6, IEC61000-4-8	

Battery Module				
MODEL	Dimension (WxHxD)	N.W.	G.W.	Remarks
UDC-BR20007/009	440*131*680	14	17	hotswappable

Specifications subject to change without prior notice.



**KSTAR**

**Kstar New Energy Co., Ltd.** Unit B, 4F, No. 69, Bei Xin Rd. Sec. 1, Xindian Dist., New Taipei City, Taiwan 23147  
 TEL +886-2-8911-6601 FAX +886-2-8911-6586 www.kstarnewenergy.com sales@kstarnewenergy.com