

# UDC SERIES

1000~3000VA



## Features

- Online double conversion
- Wide input voltage range (110~300Vac)
- Input power factor 0.99 (With PFC)
- Output power factor 0.9
- Maximum charging current 12A (Long run unit)
- Charging current can be set by LCD
- 50Hz/60Hz frequency converter mode
- Emergency power off function (EPO)
- Eco mode operation for energy saving (ECO)
- Generator compatible
- SNMP / USB / RS232 multiple communications
- Smart battery charging design for optimized battery performance
- Selectable output voltage: 200,208,220,230,240Vac



Control Panel  
Up to 50 items set by LCD



Battery Cabinets.  
(Optional)



Optimized battery  
configuration  
1k:24Vdc,2k:48Vdc,  
3k:72Vdc

## Technical Specifications:

MODEL		UDC9101S / UDC9101H			UDC9102S / UDC9102H			UDC9103S / UDC9103H		
Phase					Single phase with ground					
Capacity (VA/Watts)		1000VA / 900W			2000VA / 1800W			3000VA / 2700W		
<b>INPUT</b>										
Nominal voltage		200/208/220/230/240Vac								
Operating voltage range	Lower limit of input voltage	160Vac ± 5% @100%~80%load 140Vac ± 5% @80%~70%load 120Vac ± 5% @70%~60%load 110Vac ± 5% @60%~0%load (Ambient temp. <35°C)								
	Lower limit of input voltage	175Vac ± 5% @100%~80%load 155Vac ± 5% @80%~70%load 135Vac ± 5% @70%~60%load 125Vac ± 5% @60%~0%load (Ambient temp. <35°C)								
	Upper limit of input voltage	300Vac ± 5%								
	Upper comeback voltage from bypass mode to normal mode	290Vac ± 5%								
Operating frequency range		40~70Hz								
Power factor		0.99								
Generator input		Support								
<b>OUTPUT</b>										
Output voltage		200/208/220/230/240Vac								
Power factor		0.9								
Voltage regulation		± 1%								
Frequency	Line mode (Synchronized range)	47~53Hz or 57~63Hz								
	Bat. mode	(50/60 ± 0.1)Hz								
Crest factor		3:1								
Harmonic distortion (THDv)		≤ 3% THD with linear load ≤ 6% THD with non linear load								
Waveform		Pure sinewave								
Transfer time	AC mode <-> Batt. mode	Zero								
	Inverter <-> Bypass	4ms(Typical)								
Efficiency	Line mode	88%			92%			92%		
	Batt mode	85%	86%	87%	88%	89%	90%			
<b>BATTERY</b>										
Battery type		12V9AH	Depends on the capacity of external batteries		12V9AH	Depends on the capacity of external batteries		12V9AH	Depends on the capacity of external batteries	
Numbers		2	2	3	4	4	6	6	6	8
Backup time		Long run unit depends on the capacity of external batteries								
Typical recharging time (Standard modle)		4 hours recover to 90% capacity (Typical)								
Charging voltage		27.4Vdc ± 1%	27.4Vdc ± 1%	41.0Vdc ± 1%	54.7Vdc ± 1%	54.7Vdc ± 1%	82.1Vdc ± 1%	82.1Vdc ± 1%	82.1Vdc ± 1%	109.4Vdc ± 1%
Charging current 1A		12A max,can be set by LCD		1A	12A max,can be set by LCD		1A	12A max,can be set by LCD		
<b>SYSTEM FEATURES</b>										
Line mode	Ambient temp.<35°C	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								
	35°C<ambient	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								
Temp.<40°C	>110%:UPS shuts down after 3 seconds at battery mode or transfer to bypass when the utility is normal	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								
Audible & Visual alarms		Line failure, Battery low, Over load, System fault								
Communication interface		USB (or RS232), SNMP card (optional), Relay card (optional)								
<b>ENVIRONMENT</b>										
Operating temperature		0 ~ 40°C								
Storage temperature		-25°C ~ 55°C								
Humidity range		20~90% RH @ 0~40°C (Non-condensing)								
Altitude		<1500m								
Noise level		Less than 50dBA @ 1 Meter								
<b>PHYSICAL</b>										
Dimension W × H × D (mm)		144 × 209 × 293	144 × 209 × 293	144 × 209 × 293	144 × 209 × 399	144 × 209 × 399	144 × 209 × 399	191 × 337 × 460	144 × 209 × 399	144 × 209 × 399
Net weight (kg)		9.8	4	4.1	17	6.7	6.8	27.6	7.3	7.4
<b>STANDARDS</b>										
Safety		IEC/EN62040-1,IEC/EN60950-1								
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4, IEC61000-4-5,IEC61000-4-6,IEC61000-4-8								

\* Derate to 80% of capacity when the output voltage is adjusted to 200/208Vac

\*\* Product specifications are subject to change without further notice.

## **ОФИЦИАЛЬНЫЙ ДИЛЕР В УКРАИНЕ:**

[storgom.ua](http://storgom.ua)

## **ГРАФИК РАБОТЫ:**

Пн. – Пт.: с 8:30 по 18:30

Сб.: с 09:00 по 16:00

Вс.: с 10:00 по 16:00

## **КОНТАКТЫ:**

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Детальное описание товара:

<https://storgom.ua/product/istochnikbespereboynogopitaniyakstarudc91-1h.html>

Другие товары: <https://storgom.ua/istochniki-bespereboinogo-pitaniia-ibp.html>