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		
INPUT										
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℃)								
	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℃)								
	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								
OUTPUT										
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%	
BATTERY										
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		
SYSTEM FEATURES										
Line mode Battery mode	Ambient temp.<35℃	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℃<ambient Temp.<40℃	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								
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)								
ENVIRONMENT										
Operating temperature		0 ~ 40℃								
Storage temperature		-25℃ ~ 55℃								
Humidity range		20~90% RH @ 0~40℃ (Non-condensing)								
Altitude		<1500m								
Noise level		Less than 50dBA @ 1 Meter								
PHYSICAL										
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
STANDARDS										
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

ГРАФИК РАБОТЫ:
Пн. – Пт.: с 8:30 по 18:30
Сб.: с 09:00 по 16:00
Вс.: с 10:00 по 16:00

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+38 (044) 360-46-77
+38 (066) 77-395-77
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https://storgom.ua/product/istochnikbespereboynogopitaniyakstarudc91-1h.html
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