AIGLE

Power For Elec...



Features

- True double-conversion
- Wide input voltage range (110~300 Vac)
- Input power factor correction 0.99
- Output Power Factor 0.9
- maximun 12A charger for long-run models
- Charger current can be seting 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 charger design for optimized battery performance
- Selectable output voltage: 200,208,220,230,240Vac



Control Panel
Up to 50 items set by LCD

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	Low line transfer	160Vac ± 5% @100%~80%load 140Vac ± 5% @80%~70%load 120Vac ± 5% @70%~60%load 110Vac ± 5% @60%~0%load (Ambient Temp. <35℃)					
	Low line transfer	175Vac ± 5% @100%~80%load 155Vac ± 5% @80%~70%load 135Vac ± 5% @70%~60%load 125Vac ± 5% @60%~0%load (Ambient Temp. <35℃)					
	High line transfer	300Vac ± 5%					
	High line comeback	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		3:01					
Harmonic distortion (THDv)		≤3% THDwith 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 recharge time(standard modle)		4 hours recover to 90% capacity (Typical)					
Charging voltage		27.4 Vdc ± 1%	27.4 Vdc ± 1% / 41.0 Vdc ± 1%	54.7 Vdc ± 1%	54.7 Vdc ± 1% / 82.1 Vdc ± 1%	82.1 Vdc ± 1%	82.1 Vdc ± 1% / 109.4 Vdc ± 1%
Charge current		1A	12A max，can be setting by LCD	1A	12A max，can be setting by LCD	1A	12A max，can be setting 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					
Low battery voltage		Alarm and Switch off					
EPO (optional)		Shut down UPS immediately					
Audible & Visual alarms		Line Failure, Battery Low, Overload, System Fault					
Comunication interface		USB(or RS232), SNMPcard(optional), Relay card (optional)					
ENVIRONMENTAL							
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.