

EXIT

UDE9100C SERIES

6~10KVA

1:1 phase PF: 0.9

120/127Vac



Features

- N+X parallel redundancy
- Online double conversion with DSP control
- Input current harmonic: <3%
- Optimization battery group, the quantity Of battery: 16 / 18 / 20pcs optional
- High output power factor at PF0.9
- Wide input voltage range: 72 - 159vac
- Wide input frequency range 50 ± 10% or 60 ± 10% Hz
- Support generator input
- Support economic (ECO) operation mode
- Self - testing when startup
- Options: SNMP card / dry contact card / parallel card.
- Cold start



Control Panel

Technical Specifications:

Model	UDE9106	UDE9110	
Capacity	6KVA / 5.4KW/120Vac	10KVA / 9KW	
INPUT			
Phase	single Phase 2 Wires and Ground		
Rated Voltage	120 / 127Vac		
Voltage Range	72Vac-150Vac (lowvoltage : 65-95 , high voltage: 150-159)		
Frequency Range	50 ±10% or 60 ±10% Hz		
Power Factor	≥0.99		
Current THDi	≤5%(100% linear load)		
Bypass Voltage Range	120 / 127Vac (Phase Voltage) Upper limit:+10% , +15% , +20% , +25%(default:+15%) Lower limit: -10% , -20% , -30% , -40%(default:-20%) Frequency range: ±10%		
Generator Input Support			
Output			
Phase	Single Phase 2 Wires and Ground		
Rated Voltage	120 / 127Vac		
Power Factor	0.9		
Voltage Regulation	±1%		
Frequency	Utility Mode	±1%、±2%、±4%、±5%、±10% of the rated frequency(optional)	
	Battery Mode	(50/60±0.2%)Hz	
Crest Factor	3:1(max)		
THD	≤2% with linear load ≤5% with non linear load		
Waveform	Pure Sine Wave		
Efficiency			
Efficiency	Utility Mode	≥92.5%	
	Battery Mode	≥80%	
Battery			
Voltage	Long time unit Optional Voltage: ±96V / ±108V / ±120Vdc 16 / 18 / 20pcs 12V battery		
Charge Current(A)	Long time unit Maximum current 6A(charge current can be set according to battery capacity installed)		
Transfer Time			
	uninterruptible transfer: 0ms		
	interrupted transfer: <15ms (50Hz), <13.33ms (60Hz)[1]		
Protection			
Overload	AC Mode	Load ≤110%: last 60min , ≤ 125%: last10min , ≤150%: last 1min , ≥150%: shut down UPS immediately	100%≤Load≤127%: last 1min;load ≥127%:shut down UPSimmediately
	Bat. Mode	Load ≤ 110%: last 10min , ≤ 125%: last1min , ≤150%: last 5S , ≥ 150% shut down UPS immediately	100% ≤Load : shut down UPS immediately
	Bypass Mode	Breaker 100A	Breaker 125A
Short Circuit	Hold Whole System		
Overheat	Line Mode: Switch to Bypass; Backup Mode:Shut down UPS immediately		
Battery Low	EOD VOLTAGE+0.15V/CELL		
Self-diagnostics	Upon Power On and Software Control		
EPO(optional)	Shut down UPS output immediately		
Battery	Advanced Battery Management		
Noise Suppression	Complies with EN62040-2		
Alarms			
Audible & Visual	Line Failure, Battery Low, Overload, System Fault		
Display			
Status LED & LCD	Line 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		
Communication Interface			
	USB, RS232, Dry Contact (optional)		
Environment			
Operating Temperature	0°C ~40°C		
Storage Temperature	-25°C ~ 55°C		
Humidity	0 ~95% non condensing		
NOISE LEVEL(dB)	<55dB (1 METER)		
Altitude	< 1500m		
Other			
Unit Dimensions (W × D × H)	481 × 220 × 438	250 × 502 × 616	
Weight (Kg)	21	35	
Safety Conformance	CE,EN/IEC 62040-2,EN/IEC 62040-1-1		

Specifications subject to change without prior notice.