

ULTRA-POWER SERIES

100-200kVA Double Conversion Transformer-Based UPS

Norden's Ultra power series 100-200kVA UPS is an online Transformer-based UPS which has three phase in both input and output and an output power factor of 0.9. This UPS Features an isolation transformer in the output side to provide galvanic isolation for the load connected and a 6 pulse rectifier and an optional 12 pulse rectifier model which can reduce the harmonic currents and increase the power factor considerably by reducing the amount of reactive power consumed.



General Features

- Online Double Conversion
- EPO function
- High Power Factor
- N+X parallel redundancy
- Optimized battery management
- Wide input adaptability
- Strong overload capability
- Multi-protection
- 6 Pulse and 12 Pulse Rectifier(Optional)
- Full DSP Control

SPECIFICATIONS

MODEL		CN433100TU	CN433120TU	CN433160TU	CN433200TU
Capacity	kVA	100kVA	120kVA	160kVA	200kVA
	Watts	90kW	108kW	144kW	180kW
Input	Normal voltage	380/400/415Vac (3Ph+N+PE) (-25% +20%)			
	Operating frequency range	50/60Hz (±5Hz)			
	Power factor	≥0.97 (with filter)			
	Bypass voltage range	Upper limit:+20%(+10%,+15%,+20% adjustable) Lower limit:-40%(-10%,-20%,-30%,-40% adjustable)			
	Bypass Frequency range	±10%(±2.5%,±5%,±10%,±20% adjustable)			
Output	Rated voltage	380/400/415Vac (3Ph+N+PE)			
	Power factor	0.9			
	Voltage regulation	±1%			
	Frequency	50/60(±0.05)Hz			
	Crest factor	3:1			
	Harmonic distortion (THDv)	≤1% with linear load			
	Efficiency	>92%		>92.5%	
	Output Waveform	Pure Sine Wave			
Battery	Battery voltage	384Vdc (30/32/34pcs)			
	Charging Current	91A	109.2A	145.6A	150A

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System Features	Transfer time	Mains to battery:0ms;			
	Overload	110%- 60min, 125%- 10min, 150%- 1min			
	LED Display	Input,Inverter,Bypass,Battery,Output,Status			
	LCD Display	I/O voltage,frequency,power,power factor,battery voltage,current,battery status,load percentage, UPS status,history record,settings			
	Communication	USB, RS232, RS485, Parallel port,dry contact, Intelligent slot, LBS, SNMP card (optional), Relay card (optional)			
Environment	Operating temperature	0~40°C			
	Storage temperature	-25~55°C			
	Humidity range	0~95% (Non-condensing)			
	Altitude	<1500m			
	Noise level	<68dB			72dB
	IP Rating	IP 20			
Physical	Dimension WxDxH(mm)	720x690x1400 (6P) 1515x830x1600 (12P)	890x790x1600 (6P) 1515x830x1600 (12P)	890x790x1600 (6P) 1400x1000x1900 (12P)	1200x800x1600 (6P) 1400x1000x1900 (12P)
	Net Weight (kg)	566/1300	693/1450	780/1645	1030/1715
Standards	Safety	CE; IEC/EN62040-1,IEC/EN62477-1			
	EMC	IEC/EN 62040-2;IEC 61000-2-2;IEC 61000-4-2;IEC 61000-4-3;IEC 61000-4-4 IEC 61000-4-5;IEC 61000-4-6;IEC 61000-4-8;IEC 61000-4-11			
	Performance	IEC62040-3			

*Product specifications and appearances are subject to change without prior notice.

ORDERING INFORMATION

Part Number	Description
CN433100TU	100kVA Double Conversion Transformer-Based 3/3 UPS (External Battery)
CN433120TU	120kVA Double Conversion Transformer-Based 3/3 UPS (External Battery)
CN433160TU	160kVA Double Conversion Transformer-Based 3/3 UPS (External Battery)
CN433200TU	200kVA Double Conversion Transformer-Based 3/3 UPS (External Battery)

COMPATIBLE ACCESSORIES

Part Number	Description
CNS01	SNMP Card