

# ULTRA-POWER SERIES

## Double Conversion Transformer-Based 300-600kVA UPS

Norden's Ultra power series 300-600kVA 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		CN433300TU	CN433400TU	CN433500TU	CN433600TU
Capacity	kVA	300kVA	400kVA	500kVA	600kVA
	Watts	270kW	360kW	450kW	540kW
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	>93%		>93.5%	
	Output Waveform	Pure Sine Wave			
Battery	Battery voltage	384Vdc (30/32/34pcs)		480Vdc (40pcs)	

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MODEL		CN433300U	CN433400TU	CN433500TU	CN433600TU
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			
Environment	Communication	USB, RS232, RS485, Parallel port,dry contact, Intelligent slot, LBS, SNMP card (optional), Relay card (optional)			
	Operating temperature	0~40°C			
	Storage temperature	-25~55°C			
	Humidity range	0~95% (Non-condensing)			
	Altitude	<1500m			
Physical	Noise level	<72dB		<75dB	
	Dimension WxDxH(mm)	1400x1000x1900 (6P)/1640x1000x1900(12P)		2580x1000x1900	2800x1040x1900
	Net Weight (kg)	1560/2395	1640/2510	3510	3950
Standards	Safety	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
CN433300TU	300kVA Double Conversion Transformer-Based 3/3 UPS (External Battery)
CN433400TU	400kVA Double Conversion Transformer-Based 3/3 UPS (External Battery)
CN433500TU	500kVA Double Conversion Transformer-Based 3/3 UPS (External Battery)
CN433600TU	600kVA Double Conversion Transformer-Based 3/3 UPS (External Battery)

### COMPATIBLE ACCESSORIES

Part Number	Description
CNS01	SNMP Card