## **ULTRA-POWER SERIES**



Norden's Ultra power series 30-40 kVA UPS is an online double conversion UPS that features three-phase in both input and output and an output power factor of 0.9 This tower model features a high-density design with parallel redundancy and ECO mode for power savings.



### **General Features**

- High power density design
- N+X parallel redundancy, support maximum 4 units in parallel

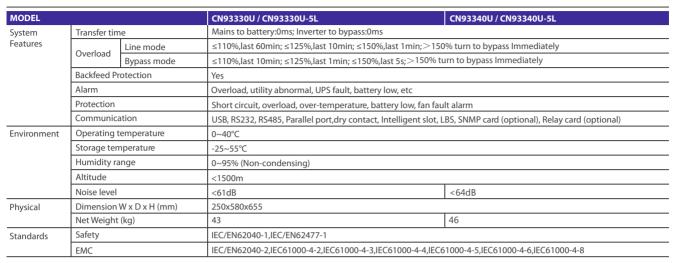
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- Online double conversion with DSP control
- Input current harmonic: <3%
- Wide input voltage range:208~478Vac
- Wide input frequency range:40~70Hz
- Optimized battery group, the quantity of battery: 30~50pcs
- Maximum charging current up to 20A
- Generator compatible
- ECO mode operation for energy saving
- Intelligent fan speed regulation
- Self-testing when UPS startup
- 50/60Hz frequency converter mode

MODEL			CN93330U / CN93330U-5L	CN93340U / CN93340U-5L
Capacity	KVA		30	40
	kW		27	36
Input	Normal Voltage		380/400/415Vac (3Ph+N+PE)	
	Operating voltage range		305~478Vac(Full load); 208~478Vac(50% load)	
	Harmonic distortion(THDi)		<3%(linear load)	
	Operating frequency range		40~70Hz (50/60Hz Auto-Sensing)	
	Power factor		≥0.99	
	Bypass voltage range		220Vac Max.Voltage:+25% (optional +10%,+15%,+20%) 230Vac Max.Voltage:+20%(optional +10%,+15%)	
			240Vac Max.Voltage:+15%(optional +10%) Min.Voltage:-45%(optional -20%,-30%)	
	Bypass Frequency range		Frequency synchronize tracing range:±10%	
	Generator input		Yes	
Output	Rated voltage		380/400/415Vac (3Ph+N+PE)	
	Power factor		0.9	
	Voltage regulation		±1%	
	Frequency	Line mode	$\pm 1\%/\pm 2\%/\pm 4\%/\pm 5\%/\pm 10\%$ of the rated frequ	iency (Optional)
		Bat. mode	50/60(±0.1)Hz	
	Crest factor		3:1	
	Harmonic distortion (THDv)		≤2% with linear load, ≤5% with non-linear load	
	Efficiency		94.5%	
	Output Waveform		Pure Sine Wave	
Battery	Battery voltage		±180/±192/±204/±216/±228/±240/±252/±264/±276/±288/±300Vdc(30/32/34/36/38/40/42/44/46/48/50pcs)	
	Charging current (Charging current can be set according to the battery capacity installed)		20A	

### **SPECIFICATIONS**

# **ULTRA-POWER SERIES** 30-40kVADouble ConversionTransformer-less UPS



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

## **ORDERING INFORMATION**

Part Number	Description
CN93330U	30kVA Double Conversion Tower Type 3/3 UPS (External Battery)
CN93330U-5L	30kVA Double Conversion Tower Type 3/3 UPS with 5inch LCD display (External Battery)
CN93340U	40kVA Double Conversion Tower Type 3/3 UPS (External Battery)
CN93340U-5L	40kVA Double Conversion Tower Type 3/3 UPS with 5inch LCD display (External Battery)

#### **COMPATIBLE ACCESSORIES**

Part Number	Description
CNS01	SNMP Card

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