-Online tower UPS-

UD Series

10~40kVA 3:3phase PF:0.9

Features

- True double-conversion
- DSP technology guarantees high reliability
- N+X parallel redundancy
- Selectable quantity of battery for each group (For long run unit)
- Adjustable charging current via LCD
- 3-stage charging design optimizes battery performance
- ECO mode operation for energy saving
- Self-diagnosis at startup
- Emergency power off function(EPO)
- Maintenance bypass is convenient for maintenance
- Generator compatible
- Communications:RS-232,RS-485,USB,SNMP card(Optional), Relay card (Optional)
- Cold start

Rear Panel

Technical Specifications

MODEL		UD10 / UD10L	UD15 / UD15L	UD20 / UD20L	UD30 / UD30L	UD40L
Capacity (VA/Watts)		10K / 9K	15K / 13.5K	20K /18K	30K /27K	40K /36K
INPUT						
Nominal Voltage		380/400/415Vac(3Ph+N+PE)				
Operating Voltage Range		208~478Vac@half load; 305~478Vac@full load				
Operating Frequency Range		50Hz：45~55Hz，60Hz：54~66Hz				
Power Factor		≥0.99				
Bypass Voltage Range		Max.voltage: 220V：+25%(Optional +10%,+15%,+20%)				
		230V：+20%(Optional +10%,+15%)				
		240V：+15%(Optional +10%)				
		Min. voltage: −45% (Optional −10%, −20%,−30%)				
ECO Range		Same as bypass				
Harmonic Distortion (THDi)		≤3%(100% non−linear load)				
OUTPUT						
Output Voltage		380/400/415Vac(3Ph+N+PE)				
Power Factor		0.9				
Voltage Regulation		±1%				
Frequency	Line Mode	±1%/±2%/±4%/±5%/±10% of the rated frequency(Optional)				
	Bat. Mode	50/60(1±0.1%)Hz				
Crest Factor		3:1				
Harmonic Distortion (THDv)		≤2% with linear load				
		≤5% with non−linear load				
Waveform		Pure Sinewave				
Transfer Time		Utility to Battery : 0ms; Utility to Bypass: 0ms				
EFFICIENCY						
Efficiency		95%				
BATTERY						
Battery Voltage	Standard unit	±120Vdc (20pcs 12V9AH)	±120Vdc (2x20pcs 12V9AH)		±120Vdc (3x20pcs 12V9AH)	N/A
	Long run unit	Selectable Voltage: ±96V/±108V/±120Vdc				Selectable Voltage: ±192V/±204V/±216V/±228V/±240Vdc
Charging Current (A)	Standard unit	1.35	2.7		4.05	N/A
	Long run unit	Max.current 10A			Max.current 20A	Max.current 20A
PROTECTION						
Overload	Line Mode	Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, ≥150% turn to bypass mode immediately				
	Bat. Mode	Load≤110%: last 10min, ≤125%: last 1min, ≤150%: last 5S, ≥150% shut down UPS immediately				
	Bypass Mode	20A(Input breaker)	32A(Input breaker)	40A(Input breaker)	63A(Input breaker)	80A(Input breaker)
Short Circuit		Hold Whole System				
Overheat		Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately				
Battery Low		Alarm and Switch off				
INDICATORS						
Audible & Visual Alarms		Line Failure, Battery Low, Overload, System Fault				
Status LED & LCD Display		Line Mode, Backup Mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault				
Parameters On The LCD Panel		Input/Output Voltage, Input/Output Frequency, Load Level, Battery Level, Inner Temperature & Remaining Battery Backup Time				
MANAGEMENT						
Communication Interface		RS−232,RS−485,USB,Parallel card, SNMP card(Optional), Relay card (Optional),Battery temperature sentor(optional)				
ENVIRONMENT						
Operating Temperature		0~40℃				
Storage Temperature		−25~55℃				
Humidity Range		0~95% (Non−condensing)				
Altitude < 1500m						
Noise Level		<55dB			<58dB	<70dB
PHYSICAL						
Dimension W×D×H (mm)		250x828x868				
Net Weight (kg)		115/57	170/63	171/64	223/71	73
STANDARDS						
Noise Suppression		Complies with EN62040−2				
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				

Specifications are subject to change without prior notice.