

## AlphaUPS UAL Series UPS 10-80kVA



UID Series UPS is an ture on-line double conversion UPS with input and output isolation transformers. It accordance with international safety standard such as IEC EN 62040-3 and provides high level power protection for control applications and harsh environments.

### General Features

- Online double conversion
- Full DSP control
- High power factor
- Wide input adaptability
- Optimized battery management
- N+X parallel redundancy
- Strong overload capability
- Power walk in
- Generator mode
- Multi-protection
- EPO function
- User-friendly network management



## Technical Specification

MODEL	UID10		UID20		UID30		UID40		UID60		UID80	
Capacity (VA/Watts)	10kVA / 9kW		20kVA / 18kW		30kVA / 27kW		40kVA / 36kW		60kVA / 54kW		80kVA/ 72kW	
INPUT												
Operating voltage range	380/400/415Vac (-25% / +20% ), (3Ph+N+PE)											
Operating frequency range	50/60Hz(±5%)											
Power Factor	> 0.97 (with filter)											
OUTPUT												
Output Voltage	380/400/415Vac (±1%)											
Output frequency	50/60Hz (±0.05%)											
Harmonic Distortion (THDv)	< 3% with linear load											
Crest factor	3:1 (max)											
Efficiency	≥88%		≥89%				≥90%				≥90.5%	
BYPASS												
Rated voltage	380/400/415Vac											
Rated frequency	50/60Hz											
Voltage protection range	Upper limit: +20% (+10%,+15%,+20% adjustable)Lower limit: -40% (-10%, -20%, -30%, -40% adjustable)											
Frequency protection range	±10% (±2.5%, ±5%,±10%, ±20% adjustable)											
BATTERY												
Battery voltage	384Vdc ( 360~384Vdc )											
SYSTEM FEATURES												
Transfer time	0ms (Line mode →Battery mode)											
Overload	≤110%/60min ,≤125%/10min ,≤150%/1min , to Bypass											
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					
Communication interface	Dry contact, RS232, RS485, SNMP card (Optional)					
Optional	Harmonic filter, SNMP adapter, LBS cables, battery temperature sensor,Bypass current-sharing inductor					
ENVIRONMENT						
Operating Temperature	0℃ ~ 40℃					
Storage temperature	-25 ~ 55℃					
Humidity range	0 ~ 95% (non-condensing)					
Altitude	<1500m					
Noise level	<60dB			<65dB		
PHYSICAL						
Dimension WxDxH (mm)	350×650×1050		430×830×1100		720×690×1600	
Net weight (kg)	148	163	230	255	386	426
Shipping weight (kg)	168	183	263	288	432	472
STANDARDS						
Safety	IEC/EN62040-1;IEC/EN60950-1					
Performance	IEC 62040-3					
EMC	IEC/EN62040-2;IEC61000-4-2;IEC61000-4-3;IEC61000-4-4; IEC61000-4-5;IEC61000-4-6;IEC61000-4-8 ; IEC 61000-4-11					