

Technical Specification

MODEL	UID10L	UID20L	UID30L	UID40L	UID60L	UID80L
Capacity (VA/Watts)	10k /9k	20k/18k	30k/ 27k	40k/36k	60k/ 54k	80k/72k
INPUT						
Operating Voltage Range	380/400/415Vac (-25%/+20%), (3Ph+N+PE)					
Operating Frequency Range	50/60Hz (±5Hz)					
Power Factor	>0.97(with filter)					
OUTPUT						
Output Voltage	380/400/415Vac(1±1%)					
Output Frequency	50/60Hz(1±0.05%)					
Current Crest Ratio	3:1(Max)					
Efficiency	≥88 %	≥89%		≥90%		≥90.5%
Harmonic Distoriton (THDv)	<3% with linear load					
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	Utility←→Battery : 0ms					
Overload	≥110%: last 60min; ≥125% :last 10min; ≥150% :last 1min;					
LED Display	Input,Inverter,Bypass,Battery,Output,Status					
LCD Display	I/O voltage,Frequency,Power,Power factor,Battery voltage,Current,Battery status,Load level,UPS status,History record					
Communication Interface	Dry contact,RS232,RS485,SNMP card(Optional)					
PHYSICAL						
Dimension,W×D×H(mm)	570×800×1195				880×760×1600	
Net Weight(kg)	217	273	316	330	483	525
Shipping Weight(kg)	272	328	371	385	553	595
ENVIRONMENT						
Operating Temperature	0~40°C					
Storage Temperature	-25~55°C					
Humidity Range	0~95% (Non-condensing)					
Altitude	<1500m					
Noise level	<60dB			<65dB		
STANDARDS						
Safety	IEC/EN62040-1;IEC/EN60950-1					
EMC	IEC/EN62040-2, IEC61000-4-2, 4 -3, 4-4, 4-5, 4-6, 4-8					

Model	UID100L	UID120 L	UID160 L	UID200L	UID300L	UID400 L	UID500L	UID600 L	UID800 L
Capacity (VA/Watts)	100k/90k	120k/108k	160k/144k	200k/180k	300k/270k	400k/360k	500k/450k	600k/540k	800k/720k
INPUT									
Operating Voltage Range	380/400/415Vac(-25/+20%),(3Ph+N+PE)								
Operating Frequency Range	50/60Hz (±5Hz)								
Power Factor	>0.97(with filter)								
OUTPUT									
Output Voltage	380/400/415Vac (1±1%)								
Output Frequency	50/60Hz(1±0.05%)								
Current Crest Ratio	3:1(Max)								
Efficiency	≥92%	≥92.5%	≥93%	≥93.5%	≥94%				
Harmonic Distoriton (THDv)	<2% with linear load								
BYPASS									
Rated Voltage	380/400/415Vac								
Rated Frequency	50/60Hz (auto-sensing)								
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)					480Vdc			
SYSTEM FEATURES									
Transfer Time	Utility←→Battery : 0ms								
Overload	≥110%: last 60min; ≥125% :last 10min; ≥150% :last 1min;								
LED Display	Input,Inverter,Bypass,Battery,Output,Status								
LCD Display	I/O voltage,Frequency,Power,Power factor,Battery voltage,Current,Battery status,Load level,UPS status,History record,Settings								
Communication Interface	Dry contact,RS232,RS485,SNMP card(Optional)								
Optional	Harmonic filter,SNMP adapter,LBS cables,Battery temperature sensor,Bypass current-sharing inductor								
PHYSICAL									
Dimension,W×D×H (mm)	1160×805×1600(6P) 1520×830×1600(12P)	1200×800×1600(6P) 1400×1000×1900(12P)	1400×1000×1900(6P) 1640×1000×1900(12P)	2580×1000×1900	2800×1040×1900	3900×1100×1950(12P)			
Net Weight(kg)	800/1100	903/1250	980/1645	1030/1715	1560/2395	1640/2510	3510	4500	6400
Shipping Weight(kg)	890/1190	993/1293	1080/1775	1130/1845	1690/2545	1770/2665	3730	4750	6700
ENVIRONMENT									
Operating Temp.	0~40°C								
Storage Temp.	-25~55°C								
Humidity Range	0~95% (Non-condensing)								
Altitude	<1500m								
Noise level	<65dB				<70dB				
STANDARDS Safety IEC/EN62040-1;IEC/EN60950-1 EMC IEC/EN62040-2, IEC61000-4-2,4 -3,4-4,4-5,4-6,4-8									