

ULT10KVT3/1 - ULT15KVT3/1 - ULT20KVT3/1 - ULT30KVT3/1

- True double-conversion
- DSP technology guarantees high performance
- Output power factor 0.9
- Active power factor correction in all phases
- Support both 3P/1P and 1P/1P operation
- 50Hz/60Hz frequency converter mode
- ECO mode operation for energy saving
- Programmable power management outlets
- Emergency power off function (EPO)
- Generator compatible
- SNMP+USB+RS-232 multiple communications
- 3-stage extendable charging design for optimized battery performance
- Adjustable battery numbers
- Maintenance bypass available
- Optional N+X parallel redundancy



MODEL	ULT10KVT3/1	ULT15KVT3/1	ULT20KVT3/1	ULT30KVT3/1	
PHASE	3-phase in / 1-phase out				
CAPACITY	10000 VA / 9000 W	15000 VA / 13500 W	20000 VA / 18000 W	30000 VA / 27000 W	
INPUT					
Nominal Voltage	3 x 400 VAC (3Ph+N)				
Voltage Range	190-520 VAC (3-phase) @ 50% load ; 305-478 VAC (3-phase) @ 100% load				
Frequency Range	46~54Hz or 56~64Hz				
Power Factor	≥ 0.99 @ 100% Load				
THDi	< 6% @ 100% load				
OUTPUT					
Output Voltage	208/220/230/240VAC				
AC Voltage Regulation (Batt. Mode)	± 1%				
Frequency Range (Synchronized Range)	46~54Hz or 56~64Hz				
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz				
Current Crest Ratio	3:1 (max.)				
Harmonic Distortion	≤ 2 % THD (Line ar Load) ≤ 5 % THD (Non-linear Load)				
Transfer Time	AC Mode to Batt. Mode	Zero			
	Inverter to Bypass	Zero			
Waveform (Batt. Mode)	Pure Sinewave				
EFFICIENCY					
AC Mode	91.5%	91.8%	91.8%	92.1%	
ECO Mode	97%	97%	97%	97%	
Battery Mode	87%	88%	88%	89%	
BATTERY					
Standard Model	Battery Type	12 V / 9 Ah			
	Numbers	20 pcs (18 - 20 pcs adjustable)*	20 pcs (18 - 20 pcs adjustable)* x 2 strings	20pcs(18-20pcs adjustable)* x3 strings	
	Typical Recharge Time	9 hours recover to 90% capacity			
	Charging Current (max.)	1A	2A	2A	4A
	Charging Voltage	273 VDC ± 1% (Based on 20pcs batteries)			
Long-run Model	Battery Type	Depending on applications			
	Numbers				
	Charging Current (max.)	4A	8A	8A	12A
	Charging Voltage	273 VDC ± 1% (Based on 20pcs batteries)			
INDICATORS					
LCD Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions				
ALARM					
Battery Mode	Sounding every 4 seconds				
Low Battery	Sounding every second				
Overload	Sounding twice every second				
Fault	Continuously sounding				
PHYSICAL					
Standard Model	Dimension, D x W x H (mm)	592 x 250 x 576	815 x 250 x 826		
	Net Weight (kgs)	83	164	164	234
Long-run Model	Dimension, D x W x H (mm)	592 x 250 x 576	592 x 250 x 576	592 x 250 x 576	815 x 250 x 826
	Net Weight (kgs)	28	40	40	64
ENVIRONMENT					
Operating Humidity	0-95 % RH @ 0- 40°C (Non-condensing)				
Noise Level	Less than 58dB @ 1 Meter	Less than 60dB @ 1 Meter		Less than 65dB @ 1 Meter	
MANAGEMENT					
Smart RS-232 / USB	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux and MAC				
Optional SNMP	Power management from SNMP manager and web browser				

* L means long-run model.

**When using internal batteries from 18-19, the unit will de-rate according to below formula: P = P_{Rated} x N/20.

**Derate capacity to 90% of capacity when the output voltage is adjusted to 208VAC.

Product specifications are subject to change without further notice.

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