

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			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		815 x 300 x 1000
	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_{Rating} 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.