

ULT-6KVT G1/ULT-8KVT G1/ULT-10KVT G1

- True double-conversion
- DSP technology guarantees high performance
- Output power factor 1
- Wide input voltage range (110-300 VAC)
- Built-in isolation transformer
- Active input power factor correction 0.99
- 50Hz/60Hz frequency converter mode
- Emergency power off function (EPO)
- ECO mode for energy saving
- Generator compatible



MODEL	ULT-6KVT G1	ULT-8KVT G1	ULT-10KVT G1
PHASE	1 phase in / 1 phase out		
INPUT			
Nominal Voltage	208/220/230/240 VAC		
Voltage Range	110~300VAC ± 3 % at 50% load ; 176~300VAC ± 3 % at 100% load		
Frequency Range	46~54 Hz or 56~64 Hz		
Power Factor	≥ 0.99 @ full load		
THDi	< 4% @100% Load ; < 6% @50% Load		
OUTPUT			
Output Voltage	208*/220/230/240 VAC		
AC Voltage Regulation (Batt. Mode)	± 1%		
Frequency Range (Synchronized Range)	46~54 Hz or 56~64 Hz		
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz		
Current Crest Ratio	3:1 (max.)		
Harmonic Distortion	≤ 1 % THD (Linear Load) ; ≤ 4 % THD (Non-linear Load)		
Transfer Time	Zero		
AC Mode to Batt. Mode	Zero		
Inverter to Bypass	Zero		
Waveform (Batt. Mode)	Pure Sinewave		
Overload	100%~110% 10min ; 110%~130%: 1min ; >130% : 1sec		
AC Mode	100%~110%: 30sec ; 110%~130%: 10sec ; >130% : 1sec		
Battery Mode			
EFFICIENCY			
AC Mode	> 94%		
Battery Mode	> 93%		
BATTERY			
Battery Type	12V / 7Ah		12V / 9Ah
Numbers	16-20		
Typical Recharge Time	7 hours recover to 90% capacity		9 hours recover to 90% capacity
Charging Current (max.)	1.0 A ± 10% (max.)		
Charging Voltage	(13.65VDC x battery number) ± 1%		
INDICATORS			
LCD Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions		
PHYSICAL			
Dimension, D x W x H (mm)	450 X 190 X 690		442 x 190 x 318
Net Weight (kgs)	69		79
ENVIRONMENT			
Operating Humidity	< 95% RH @ 0- 40°C (non-condensing)		
Noise Level	Less than 55dB @1Meter		Less than 58dB @1Meter
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		

* Derate capacity to 60% of capacity in CVCF mode and to 90% when the output voltage is adjusted to 208VAC or parallel system is operated.
 **When using 16 pieces of batteries, the output power factor will be derated to 0.8. If using 18 or 19 pieces of batteries, the output power factor will be derated to 0.9
 ***If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m.
 Product specifications are subject to change without further notice.

ULT-6KVTT G1/ULT-8KVTT G1/ULT-10KVTT G1

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PHASE	1 phase in / 1 phase out		
INPUT			
Nominal Voltage	208/220/230/240 VAC		
Voltage Range	110~300VAC $\pm 3\%$ at 50% load ; 176~300VAC $\pm 3\%$ at 100% load		
Frequency Range	46~54 Hz or 56~64 Hz		
Power Factor	≥ 0.99 @ full load		
THDi	< 4% @100% Load ; < 6% @50% Load		
OUTPUT			
Output Voltage	104/110/115/120 VAC or 208*/220/230/240 VAC		
AC Voltage Regulation (Batt. Mode)	$\pm 2\%$		
Frequency Range (Synchronized Range)	46~54 Hz or 56~64 Hz		
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz		
Current Crest Ratio	3:1 (max.)		
Harmonic Distortion	$\leq 2\%$ THD (Linear Load) ; $\leq 8\%$ THD (Non-linear Load)		
Transfer Time	AC Mode to Batt. Mode	Zero	
	Inverter to Bypass	Zero	
Waveform (Batt. Mode)	Pure Sinewave		
Overload	AC Mode	100%~110% 10min ; 110%~130%: 1min ; >130% : 1sec	
	Battery Mode	100%~110%: 30sec ; 110%~130%: 10sec ; >130% : 1sec	
EFFICIENCY			
AC Mode	> 90%		
Battery Mode	> 89%		
BATTERY			
Battery Type	12V / 7Ah		12V / 9Ah
Numbers	16-20		
Typical Recharge Time	7 hours recover to 90% capacity		9 hours recover to 90% capacity
Charging Current (max.)	1.0 A $\pm 10\%$ (max.)		
Charging Voltage	(13.65VDC x battery number) $\pm 1\%$		
INDICATORS			
LCD Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions		
PHYSICAL			
Dimension, D x W x H (mm)	592 x 250 x 576		592 x 250 x 826
Net Weight (kgs)	109		133
ENVIRONMENT			
Operating Humidity	< 95% RH @ 0- 40°C (non-condensing)		
Noise Level	Less than 55dB @1Meter		Less than 58dB @1Meter
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		

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