



ULT-LV10 / 15 / 20 / 30K33

ULT-LV40 / 50 / 60K33

ULT-LV80 / 100K33

ULTIMA LV33 SERIES FEATURES

- Online double conversion technology with DSP control
- AFC technology for very low harmonic distortion
- 0.9 output power factor
- Input current distortion THDi <1%
- Input power factor 0.99 at 10% load
- Front access makes maintenance and replacement easy
- Control designed to with stand all kinds of loads
- Variety of communication options available
- Output efficiency up to 95%
- Space-saving compact design
- Touch screen LCD display panel
- Dual input power source (optional)



APPLICATIONS

- Factory Equipment
- Industrial Equipment
- Telecom & Networking
- Medium Data Center



ULTIMA LV33 ON-LINE UPS SPECIFICATION

MODEL	ULT-LV10K33	ULT-LV15K33	ULT-LV20K33	ULT-LV30K33
Phase	3-Phase in / 3-phase out			
Capacity	10KVA / 9KW	15KVA / 13.5KW	20KVA / 18KW	30KVA / 27KW
INPUT				
Nominal Voltage	3 x 208V (3Ph + N)			
Acceptable Voltage Range	+15% or -20%			
Frequency	50 / 60Hz ±5%			
Total Harmonic Distortion (THDi)	< 1.5% @ 100% Load, < 2.5% @ 50% Load, < 6.0% @ 10% Load	< 1.0% @ 100% Load, < 2.0% @ 50% Load, < 5.0% @ 10% Load		
Power Factor	0.99 from 10% load			
INVERTER				
Nominal Voltage	3 x 208V (3Ph + N)			
Total Harmonic Distortion (THDv)	< 0.5% (linear load); < 1.5% (non-linear load)			
Phase Displacement	120° ±1% (balanced load); 120° ±2% (imbalances 50% of the load)			
Admissible Overload	125%~135% for 5 min., 135%~150% for 60 s			
Admissible Crest Factor	3.4 : 1	3.2 : 1		
Admissible Power Factor	0.7 inductive to 0.7 capacitive			
Current Limit	High overload, short-circuit: RMS voltage limit; high crest-factor current: peak voltage limit			
STATIC BYPASS				
Type	Solid state			
Voltage	3 x 208V (3Ph + N)			
Transfer Time	Zero			
Admissible Overload	400% for 10 sec.			
Transfer To Bypass	Immediate, for overloads above 150%			
Retransfer	Automatic after alarm clear			
MAINTENANCE BYPASS				
Voltage	3 x 208V (3Ph + N)			
Overall Efficiency (Line Mode)	90.0%	91%	91.5%	92%
BATTERY				
Built-in Battery Type (2x19)	12V 7Ah	12V 9Ah	12V 12Ah	--
Max. Charging Current	23.5A		47A	
PHYSICAL				
Dimension (D x W x H) (mm / in)	770 x 450 x 1100 / 30.3 x 17.7 x 43.3			
Net Weight (w / o Battery) (kg / lb)	94 / 207.3	110 / 242.6	122 / 269.0	162 / 357.2
Net Weight (w / built-in Battery) (kg / lb)	195 / 430.0	227 / 500.5	272 / 599.8	--

- Remaining backup time calculation
- Parallel redundancy operation up to 4 units
- High flexibility in single-phase and three-phase setups. AC input adjustable to four options:

Three-phase input / three phase output (3 / 3)

Three-phase input / single phase output (3 / 1)

Single phase input / single phase output (1 / 1)

Single phase input / three-phase output (1 / 3)

- Pure sine wave output
- Remaining backup time calculation.

By using powerful algorithms, an estimated remaining backup time can be calculated and help users for further arrangement in the event of a prolonged power outage.

5.7"LCD TOUCH SCREEN



EXTERNAL BATTERY CABINET

MODEL	ULT-LV33BB26	ULT-LV33BB40
Dimension (D x W x H) (mm)	700 x 450 x 1100	805 x 590 x 1320
Built-in Battery Type (2 x 19)	12V 26Ah	12V 40Ah
Net Weight (kg)	380	610

ULTIMA LV33 ON-LINE UPS SPECIFICATION

MODEL	ULT-LV40K33	ULT-LV50K33	ULT-LV60K33	ULT-LV80K33	ULT-LV100K33
Phase	3-Phase in / 3-phase out				
Capacity	40KVA / 36KW	50KVA / 45KW	60KVA / 54KW	80KVA / 72KW	100KVA / 90KW
INPUT					
Nominal Voltage	3 x 208V (3Ph + N)				
Acceptable Voltage Range	+15% or -20%				
Frequency	50 / 60Hz ±5%				
Total Harmonic Distortion (THDi)	< 1.0% @ 100% load, < 2.0% @ 50% load, < 5.0% @ 10% load	< 1.5% @ 100% load, < 2.0% @ 50% load, < 6.0% @ 10% load			
Power Factor	0.99 from 10% load				
INVERTER					
Nominal Voltage	3 x 208V (3Ph + N)				
Total Harmonic Distortion (THDv)	< 0.5% (linear load); < 1.5% (non-linear load)				
Phase Displacement	120° ±1% (balanced load) ; 120° ±2% (imbalances 50% of the load)				
Admissible Overload	125%~135% for 5 min., 135%~150% for 60 s				
Admissible Crest Factor	2.8 : 1	3.2 : 1			3.0 : 1
Admissible Power Factor	0.7 inductive to 0.7 capacitive				
Current Limit	High overload, short-circuit: RMS voltage limit; high crest-factor current: peak voltage limit				
STATIC BYPASS					
Type	Solid state				
Voltage	3 x 208VAC (3Ph+N)				
Transfer Time	Zero				
Admissible Overload	400% for 10 sec.				
Transfer To Bypass	Immediate, for overloads above 150%				
Retransfer	Automatic after alarm clear				
MAINTENANCE BYPASS					
Voltage	3 x 208V (3Ph + N)				
Overall Efficiency (Line Mode)	93%	92.5%	92%	93%	
BATTERY					
Max. Charging Current	70.5A			188A	
PHYSICAL					
Dimension (D x W x H) (mm / in)	805 x 590 x 1320 / 31.7 x 23.2 x 52.0			805 x 900 x 1900 / 31.7 x 35.4 x 74.8	
Net Weight (w / o Battery) (kg / lb)	231 / 509.4	255 / 562.3		550 / 1212.8	
Net Weight (w / built-in Battery) (kg / lb)	--				