

MARUSON[®]

UPS SYSTEMS

Ultima Plus Series

6KVA/10KVA

The Maruson Ultima Plus Online UPS Series offers DSP technology power protection. The intelligent, true double-conversion technology, along with adjustable charging current and battery quantity, power management, and available extended runtime options are designed to work with networks, servers, data centers, ATMs, and medical equipment. The Ultima Plus UPS is the best versatile solution for all your connected equipment needs.

Applications: Best Protection for Server Rooms, Telecom & Networking Applications, Surveillance & Security Center, and Medical Applications.

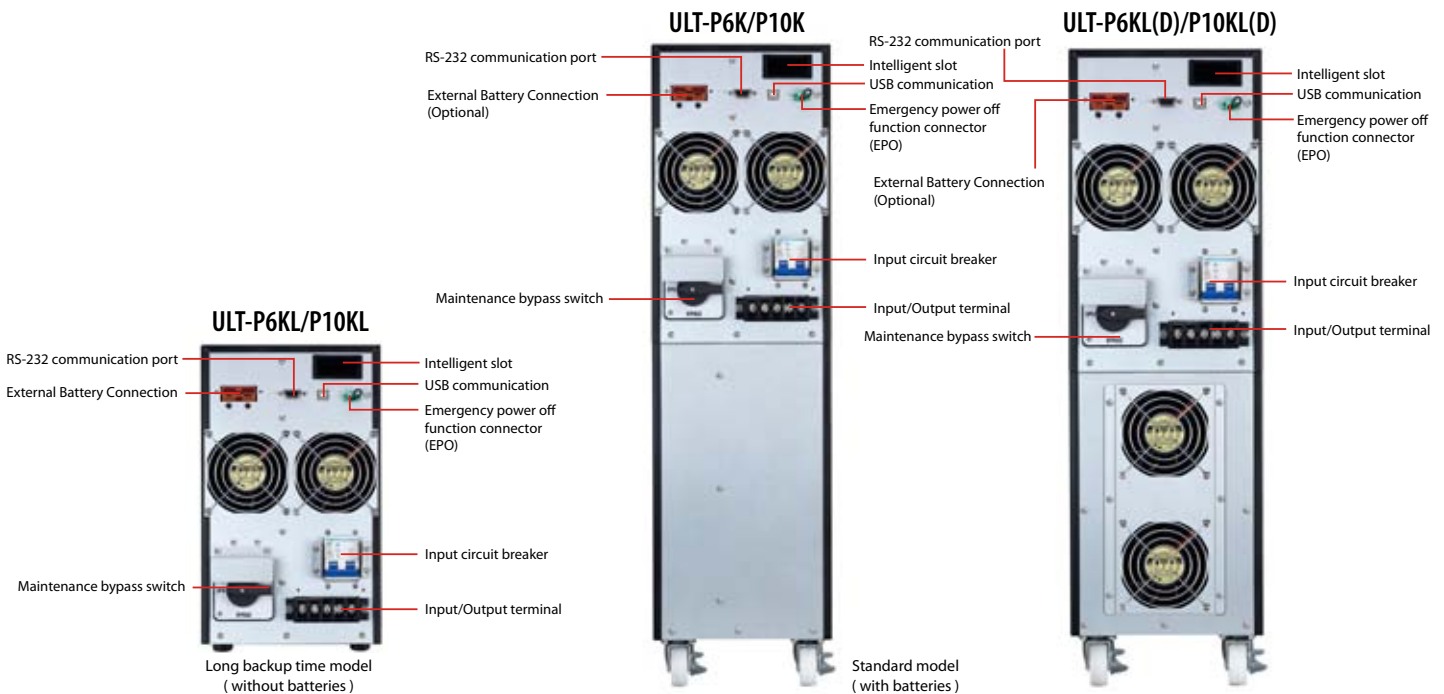
Features:

- Online double conversion technology with DSP control
- Output power factor 0.8
- One integrated unit with standard and long-run models
- Adjustable battery number from 16pcs to 20 pcs
- Adjustable charging current via LCD setting or software (0.5A ~ 6A) for long-run models
- 3-Stage extendable charging design for optimized battery performance
- Wide input voltage range (110-300VAC)
- Active input power factor correction 0.99
- 50/60 frequency converter mode
- Emergency power off function (EPO)
- Maintenance bypass switch



ULT-P6KL / P10KL

ULT-P6K / P10K



ULTIMA PLUS SPECIFICATION

MODEL	ULT-P6K	ULT-P6KL(D)	ULT-P10K	ULT-P10KL(D)
PHASE	Single phase with ground			
CAPACITY	6000 VA / 4800 W		10000 VA / 8000 W	
INPUT				
Voltage Range	Low Line Transfer	110 VAC ± 3% at 50% Load, 176 VAC ± 3% at 100% Load		
	Low Line Comeback	120 VAC ± 3% at 50% Load, 186 VAC ± 3% at 100% Load		
	High Line Transfer	300 VAC ± 3 %		
	High Line Comeback	290 VAC ± 3 %		
Frequency Range	46~ 54 Hz or 56~ 64 Hz			
Power Factor	≥ 0.99 @ 100% load			
OUTPUT				
Output Voltage	208/220/230/240 VAC	(104/110/115/120 VAC)x2w/ISO	208/220/230/240 VAC	(104/110/115/120 VAC)x2w/ISO
AC Voltage Regulation (Batt. Mode)	± 1%			
Frequency Range (Synchronized Range)	47 ~ 53 Hz or 56 ~ 64 Hz			
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz			
Current Crest Ratio	3:1(max.)			
Harmonic Distortion	≤ 3% THD (Linear Load), ≤ 7% THD (Non-linear Load)			
Transfer Time	AC Mode to Batt. Mode	Zero		Zero
	Inverter to Bypass	Zero		Zero
Waveform (Batt. Mode)	Pure sinewave			
EFFICIENCY				
AC Mode (@100% RCD load)	89% w/o ISO		90% w/o ISO	
Battery Mode(@100% RCD load)	88% w/o ISO		89% w/o ISO	
BATTERY				
Battery Type	12 V / 7 AH	Depending on applications	12 V / 9 AH	Depending on applications
Battery Numbers (16~20 pcs adj.)	20 pcs	not included	20 pcs	not included
Backup Time (@ half load)	15 min	N/A	19.5 min	N/A
Charging Current	Default: 1.0A ± 10% (Max. 2.0A± 10%)	Default:4.0A ± 10% (adj.: 0.5A~6.0A ± 10%)	Default: 1.0A ± 10% (Max. 2.0A± 10%)	Default:4.0A ± 10% (adj.: 0.5A~6.0A ± 10%)
Float Charging Voltage	273VDC ± 1% (based on 20 pcs batteries)			
Typical Recharge Time	<8 hours recover to 90% capacity (charging time can be shortened based on charging current)			
INDICATORS				
LCD Panel	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				
Dimension, (D x W x H) (mm)	369 x 190 x 688	369 x 190 x 318 w/o ISO 369 x 190 x 688 w/ ISO	442 x 190 x 688	442 x 190 x 318 w/o ISO 442 x 190 x 688 w/ ISO
Net Weight (kgs)	70	21 w/o ISO ; 72 w/ ISO	75	23 w/o ISO ; 82 w/ ISO
ENVIRONMENT				
Humidity	0-95 % RH @ 0- 40°C (non-condensing)			
Noise Level	Less than 55dBA @ 1 Meter		Less than 58dBA @ 1 Meter	
MANAGEMENT				
Smart RS-232 / USB	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8., Linux, Unix, and MAC			
Optional SNMP	Power management from SNMP manager and web browser			

*When using internal batteries from 16-19, the unit will de-rate according to the below formula: P = P_{rating} x N/20.

**Derate capacity to 60% of capacity in CVCF mode and to 90% when the output voltage is adjusted to 208VAC.

***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.

****" L " means long run-time model. " D " means dual output voltage with isolation transformer.

*Battery backup time is based on half-load and varies with equipment, configuration, battery age, temperature, etc

*Product specifications are subject to change without further notice



MARUSON[®]
TECHNOLOGY
Power Solutions for All Your Needs

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