

tuncmatik

ULTRA ONE**10/15/20/30/40 kVA**

ONLINE UPS (3/3)

ULTRA ONE**True double conversion online technology**

Online UPS is the most suitable choice, especially for computers and other sensitive devices. This type of UPS completely isolates your sensitive devices from the mains and feeds your sensitive devices connected with the help of filters in the mains. As a result, all unwanted situations that may occur in the network are filtered by the online UPS and your sensitive devices are fed with pure power.

Pure sinewave output

Full compatibility with all kinds of electrical devices, the ideal solution for your medical and similar critical applications.

Wide input voltage range (305-478 VAC)

Ability to work online even at very low and very high voltages without switching to the battery.

Input power factor correction (PF=0.99)

It does not impose an additional compensation load on your line. It saves on your electricity bills.

High output power factor (PF=1)

The UPS provides 28% extra power at the output compared to the standard UPS which are 0.7 power factor. That's why, it supports more electrical/electronics devices.

Intelligent charging technology for optimal battery performance

Since it charges the battery with a special charging technique, it extends the life of the battery, reduces your operating costs and provides savings.

High performance microprocessor

Thanks to the digital structure and high speed of the CPU-controlled control board it provides full protection by performing the protection functions of the UPS such as overload, short circuit, low-high voltage and over-temperature in a timely manner, thus ensuring that the UPS has a stable and reliable structure.

Capacity up to 40kVA in compact structure

It allows high-power devices to be placed in tight spaces such as server rooms.

**High online efficiency**

Thanks to its advanced technology, PowerUP X9 reaches an average efficiency level of %93 and pays of its investment cost in a short time.

Parallel structure (Optional)

PowerUP X9 UPS has the ability to parallel up to 4 units. A communication cable is sufficient for this.

Generator compatibility

By facilitating power transition from generator to load, it allows you to use generator with lower capacity.



With the easy to read multifunctional LCD display everything is under control. Thanks to new advanced LCD screen, input-output values and alarms can be easily monitored.



tuncmatik

ULTRA ONE

10/15/20/30/40 kVA

ONLINE UPS (3/3)



MODEL		10 kVA	15 kVA	20 kVA	30 kVA	40 kVA
CAPACITY (kVA/kw)		10	15	20	30	40
INPUT						
Nominal Voltage		380/400/415 VAC				
Phase		3 Phase + Neutral + Earth				
Voltage Range		305~478VAC (%100 load), 208~478VAC (%50 load)				
Frequency Range		40Hz - 70Hz				
Power Factor		≥0.99				
Current THDi		≤3% (100% non-linear load)				
Bypass Voltage Range		220Vac Max Voltage: +25%(optional +10%, +15%, +20%); 230Vac Max Voltage: +20%(optional +%10, +%15); 240Vac Max Voltage: +15%(optional +10%); Min. voltage: -45% (optional -%10, -%20, -%30); Frequency protection range: ±10%				
Bypass Sencronization		±%1, ±%2, ±%4, ±%5, ±%10 optional (default: ±%10)				
Generator Input		Supports				
OUTPUT						
Power Factor		1.0 / 0.9(optional)				
Nominal Voltage		380/400/415 VAC				
Voltage Regulation		±%1				
Frequency Range		1. Line Mode: sync with login; input frequency > ±%10 when (±%1, ±%2, ±%4, ±%5 optional), output (50/60 ±%0.1)Hz 2. Battery Mode: (50/60 ±%0.1)Hz				
Crest Factor		3:1				
THDv		≤%2 (linear load), ≤%4 (non-linear load)				
Overload	AC Mode	110% load 60 min then bypass, 125% load 100 min then bypass, 150% load 1 min then bypass, >150% load immediately bypass				
	Battery Mode	110% load 10 min then shuts down, 125% load 1 min then shuts down, 150% load 5 sec then shuts down, >150% load immediately shuts down				
Efficiency		Up to 93,5%		Up to 94,5%		
Transfer Time		Normal to battery: 0ms; Normal to bypass: 0ms				
BATTERY						
Voltage	Standard	±120Vdc (20 pcs. 12V7Ah) (2x20 pcs. 12V9Ah or 2x20 pcs 12V7Ah opt.) (Internal Batteries)	±120Vdc (2x20 pcs. 12V7Ah std.) (2x20 pcs. 12V9Ah opt.) (Internal Batteries)	±120Vdc (3x20 pcs. 12V7Ah std.) (3x20 pcs. 12V7Ah opt.) (Internal Batteries)	±180Vdc (2x40 pcs. 12V7Ah std.) (2x40 pcs. 12V9Ah opt.) (External Batteries)	
	Long Run Model	10-30 kVA : ±96/108/120Vdc (16-18-20 pcs.) Power Reduction: 16 pcs. output power factor 0.7/0.8, 18 pcs. output power factor 0.8/0.9, 20 pcs. output power factor 1.0				40kVA: ±180/192/204/216/228/240 /252/264/276/288/300Vdc(30/32/ 34/36/38/40/42/44/46/48/50 pcs.)
Current Charge (A)	Standard	1.35A (2.7A opt.)	2.7A	4.05A	2.7A	
	Long Run Model	Max Current 14A	Max Current 16A	Max Current 18A	Max Current 20A	
SYSTEM FEATURES						
Alarm		Overload, Line abnormal, UPS fult, Low battery, etc.				
Protection		Short circuit, Overload, Over temperature, Undercurrent, Fan fault alarm, EPO (Optional)				
Communication		USB, RS232, RS485, Parallel port, Dry contact, Intelligent slot, SNMP card (opt.), Relay card (opt.), Battery temperature sensor(opt.)				
ENVIRONMENTAL						
Operating Temperature		0 ~ 40				
Storage Temperature		-25 ~ 55 (without battery)				
Humidity		0~95% relative humidity (non-condensing)				
Noise Level		<55dB	<58dB	<61dB	<64dB	
Altitude		<1500m. When >1500m, reduce the rated power for use				
DIMENSIONS & WEIGHT						
W x D x H (mm)		Standard model:250x900x868 / Long run model: 250x580x655				
Weight (kg)		129/35	186/39	187/40	236/43	239/46
STANDARDS						
Safety		IEC/EN62040-1, IEC/EN60950-1				
EMC		CE, IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8				