tuncmatik
ULTRA ONE
60/80/100/120/160/200 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 is 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 200kVA 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 6 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.

CE

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MODEL	60 kVA	80 kVA	100kVA	120 kVA	160 kVA	200 kVA
CAPACITY (kVA/kW)	60	80	100	120	160	200
INPUT						
Nominal Voltage	380/400/415 VAC					
Phase	3 Phase + Neutral + Earth					
Voltage Range	138～485Vac					
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%					
Generator Input	Supports					
OUTPUT						
Power Factor	1.0					
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	Load ≤110%: 60 min., ≤125%: 10 min, ≤150%: 1 min.					
Overload — Battery Mode						
Overload — Bypass Mode	Temperature <30 , load ≤135%: works for long time / Temperature <40 , load ≤125%: works for long time / %1000 load : runs up to 100ms					
Efficiency	95%					
Transfer Time	Normal to battery: 0ms; Normal to bypass: 0ms					
BATTERY						
Voltage	Optional Voltagej: ±180V/192V/±204V/±216V/±228V/±240/±252/±264/±276/±288/±300Vdc (30/32/ 34/36/38/40/42/44/46/48/50 peice optional) 360Vdc~600Vdc (30~50 peice, 30 peice defined, 32 & 50 peice without power loss; 30 peice output power factor 0.8)					
Current Charge (A)	Max Current 20A	Max Current 40A			Max Current 60A	
SYSTEM FEATURES						
Alarm	Overload, Line abnormal, UPS fult, Low battery, etc.					
Protection	Short circuit, Overload, Over temperature, Undercurrent, Fan fault alarm					
Communication	USB, RS232, RS485, Parallel port, REPO port, LBS port, Backfeed port, Intelligent slot, SNMP card (optional), Relay card (optional)					
Status LED & LCD	Line mode, Bypass mode, Battery low, Battery fault, Overload, UPS failure					
LCD Panel	Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Batery voltage					
EPO (optional)	UPS shuts down					
ENVIRONMENTAL						
Operating Temperature	0 ～40					
Storage Temperature	-25 ～55 (without battery)					
Humidity	0～95% relative humidity (non-condensing)					
Noise Level	<60dB	<61dB	<62dB	<63dB	<66dB	<68dB
Altitude	<1500m. When >1500m, reduce the rated power for use					
DIMENSIONS & WEIGHT						
W x D x H (mm)	600 x 850 x 1600	600 x 850 x 2000		1200 x 850 x 2000		
Weight (kg)	398	537		794		
STANDARDS						
Safety	CE,EN/IEC62040-3, EN/IEC62040-1-1					
EMC	IEC/EN62040-3, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8					

* Adjustable according to battery capacity