

tuncmatik

Long+

1/2/3 kVA

ONLINE UPS (1/1)



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.

High output power factor (PF=1)

The UPS provides 14% extra power at the output compared to the standard UPS which are 0.9 power factor. That's why, it supports more electrical/electronics devices.

Pure sine wave output

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

Wide input/output (110-300 VAC)

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

Input power factor correction (PF=0.99)

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

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 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.

Special design for applications requiring long support time

Long+ Series, which can be connected to a large-capacity external battery for a long support period, has a much stronger charging capacity than normal products.



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ONLINE UPS (1/1)

MODEL		1 kVA		2 kVA		3 kVA	
Capacity (VA/W)		1000VA / 1000W		2000VA / 2000W		3000VA / 3000W	
INPUT							
Nominal Voltage		200 / 208 / 220 / 230 / 240 VAC					
Voltage Range		For %100-%50 load 160-300VAC, for %50-%0 load 110-300VAC					
Frequency Range		40Hz ~ 70 Hz					
Phase		Single phase with ground					
Power Factor		≥ 0.99 (Nominal input voltage)					
OUTPUT							
Output Voltage		200 / 208 / 220 / 230 / 240 VAC					
Power Factor (PF)		1					
Voltage Regulation		±%1					
Frequency Range	Synchronized Mode	47 ~ 53 Hz or 57 ~ 63 Hz					
	Battery Mode	(50/60 ±0.1)Hz					
Crest Factor		3:1					
Harmonic Distortion		≤%2 (linear load), ≤%5 (non-linear load)					
Transfer Time	AC Mode <-> Battery	0ms					
	Inverter <-> Bypass	4ms (Typical)					
	ECO <-> Battery Mode	8ms (Typical), 10ms (Max.)					
Waveform		Pure Sinewave					
EFFICIENCY							
ECO Mode		96%		97%			
AC Mode		92%		93%		94%	
Battery Mode		86%	89%	88%	89%	91%	
BATTERY							
Standard Model	Battery Type	12V 9AH	12V 7AH	12V 9AH		12V 7AH	12V 9AH
	Number of Batteries	2	3	3	4	6	
	Recharge Time	4 hours to recover to 90% capacity					
	Charging Voltage	27.4VDC ±%1		54.7VDC ±%1		82.1VDC ±%1	
	Charging Current	1.5A					
Long-run Model	Battery Type	Depends on the capacity of the external battery					
	Number of Batteries	2	3	3	4	6	
	Charging Voltage	27.4VDC ±%1		54.7VDC ±%1		82.1VDC ±%1	
	Charging Current	8A (1A / 2A / 4A / 6A / 8A adjustable through LCD panel)					
INDICATORS							
LCD Panel		Load level, Battery level, AC Mode, Battery Mode, Bypass Mode, Fault indicators					
DIMENSIONS & WEIGHT							
Standard Model	W x D x H (mm)	145 x 282 x 220	145 x 397 x 220	145 x 397 x 220	190 x 421 x 318	190 x 421 x 318	
	Weight (kg)	9.8	11.4	17	22.5	26.2	
Long-run Model	W x D x H (mm)	145 x 282 x 220		190 x 300 x 318			
	Weight (kg)	4.1		6.8		7.4	
ENVIRONMENTAL							
Operating Temperature		0 - 50°C					
Humidity		%20-90 (non-condensing)					
Noise Level		<50dBA (@ 1 meter)					
SOFTWARE & MANAGEMENT							
Akıllı RS232 veya USB		Windows® 2000/2003/XP/Vista/2008/7/8/10, Linux, Unix ve MAC					
SNMP (Opsiyonel)		Power management from SNMP manager and web browser					
STANDARDS							
EMC		CE (EMC: EN62040-2 C2)					

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6/10 kVA

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6/10 kVA

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MODEL		6 kVA		10 kVA	
Capacity (VA/W)		6000VA / 6000W		10000VA / 10000W	
INPUT					
Nominal Voltage		208 / 220 / 230 / 240 VAC			
Voltage Range		For %100-%50 load 160-300VAC, for %50-%0 load 110-300VAC			
Frequency Range		46Hz ~ 54 Hz or 56Hz ~ 64 Hz			
Phase		Single phase with ground			
Power Factor		≥ 0.99 (Nominal input voltage)			
OUTPUT					
Output Voltage		208 / 220 / 230 / 240 VAC			
Power Factor (PF)		1			
Voltage Regulation		±%1			
Frequency Range	Synchronized Mode	47 ~ 53 Hz or 57 ~ 63 Hz			
	Battery Mode	(50/60 ±0.1)Hz			
Crest Factor		3:1			
Harmonic Distortion		≤%1 (linear load), ≤%5 (non-linear load)			
Transfer Time	AC Mode <-> Battery	0ms			
	Inverter <-> Bypass	0ms			
Waveform		Pure Sinewave			
EFFICIENCY					
AC Mode		94%			
Battery Mode		92%			
BATTERY					
Standard Model	Battery Type	12V 7AH		12V 9AH	
	Number of Batteries	16	20	16	20
	Recharge Time	9 hours to recover to 90% capacity			
	Charging Voltage	218.4 VDC ±%1	240 VDC ±%1	218.4 VDC ±%1	240 VDC ±%1
	Charging Current	1A			
Long-run Model	Battery Type	Depends on the capacity of the external battery			
	Number of Batteries	16-20			
	Charging Voltage	192-240 VDC			
	Charging Current	1A / 2A / 4A / 6A / 8A			
INDICATORS					
LCD Panel		Load level, Battery level, AC Mode, Battery Mode, Bypass Mode, Fault indicators			
DIMENSIONS & WEIGHT					
Standard Model	W x D x H (mm)	190 x 442 x 688			
	Weight (kg)	51.5	60.5	60	70
Long-run Model	W x D x H (mm)	145 x 436 x 238			
	Weight (kg)	8.6		9.7	
ENVIRONMENTAL					
Operating Temperature		0 - 40°C			
Humidity		%20-90 (non-condensing)			
Noise Level		<55dBA (@ 1 meter)		<58dBA (@ 1 meter)	
SOFTWARE & MANAGEMENT					
Akıllı RS232 veya USB		Windows® 2000/2003/XP/Vista/2008/7/8/10, Linux, Unix ve MAC			
SNMP (Opsiyonel)		Power management from SNMP manager and web browser			