

## tuncmatik POWER UP RACK TOWER 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 line 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 (110-300 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=0.9)

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.



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. Rotatable LCD display that can be adjusted according to the horizontal or vertical use of the UPS.

POWER UP RACK TOWER 1 kVA		POWER UP RACK TOWER 2 kVA		POWER UP RACK TOWER 3 kVA	
KAPASİTE / CAPACITY		KAPASİTE / CAPACITY		KAPASİTE / CAPACITY	
3 PC	3 MONITOR	6 PC	6 MONITOR	9 PC	9 MONITOR
1 PRINTER	1 PC 30 dk/min yaklaşık / approx.	2 PRINTER	1 PC 30 dk/min yaklaşık / approx.	3 PRINTER	1 PC 30 dk/min yaklaşık / approx.

### MULTI-FUNCTIONAL KEYS

- 208/220/230/240 VAC Output Voltage Setting
- 50/60 Hz Frequency Converter Mode
- EPO - Emergency Power Off
- High Energy Saving



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CAPACITY		1000 VA 900 W	2000 VA 1800 W	3000 VA 2700 W
<b>INPUT</b>				
Voltage range	Low voltage transfer	160 VAC - %80-100, 140 VAC - %70-80, 120 VAC - %60-70, 110 VAC - %0-60		
	Low voltage correction	170 VAC - %80-100, 150 VAC - %70-80, 130 VAC - %60-70, 120 VAC - %0-60		
	High voltage transfer	300 VAC ± %5		
	High voltage correction	290 VAC ± %5		
Frequency range		40 Hz ~ 70 Hz		
Phase		Single phase + Neutral + Earth		
Power factor		≥ 0.99, %100 load		
<b>OUTPUT</b>				
Output Voltage		208 / 220 / 230 / 240 VAC		
Output power factor (PF)		0.8		
AC voltage regulation (Battery mode)		± %1		
Frequency Range (Synchronous mode)		47 Hz ~ 53 Hz or 57 Hz ~ 63 Hz		
Frequency Range (Battery mode)		50 Hz ± 0.2 Hz or 60 Hz ± 0.2 Hz		
Overload	Line Mode	%105-110 aşırı yük alarmı, %110-130 30sn sonra by-pass, %130-150 1,5sn sonra by-pass		
	Battery Mode	%105-110 aşırı yük alarmı, %110-130 30sn sonra kapanır, %130-150 1,5sn sonra kapanır		
Crest Factor		3:1 maks		
Harmonic distortion		≤ %2 THD (linear load) ≤ %8 THD (non-linear load)		
Transfer time	Line ↔ Battery Mode	0 msn		
	Inverter ↔ By-pass	4 msn (typical)		
Waveform (Battery mode)		Pure Sinewave		
<b>EFFICIENCY</b>				
Line Mode		~ %86	~ %86	~ %88
Battery Mode		~ %83	~ %85	~ %86
<b>BATTERY</b>				
Type & quantity		12V 9Ah x 2	12V 9Ah x 4	12V 9Ah x 6
Support time		Up to 90% capacity 5 hours (typical)		
Charge voltage		1.0 A		
Charge current		27.4 VDC ± %1	54.8 VDC ± %1	82.1 VDC ± %1
<b>INDICATORS</b>				
LED Display		UPS status, Load level, Battery Level, Input/Output voltage, Discharge counter, Error status		
Alarm		Line failure, Low battery, Overload, System fault		
<b>DIMENSIONS &amp; WEIGHT</b>				
D x W x H (mm)		415 x 440 x 89 [2U]	515 x 440 x 89 [2U]	635 x 440 x 89 [2U]
Weight (kg)		13.2	20.6	29
<b>ENVIRONMENTAL</b>				
Operation temperature		0-40 °C		
Humidity		%20-90 relative humidity (non-condensing)		
Noise level		< 50 dBA, From 1 meter		
<b>SOFTWARE &amp; MANAGEMENT</b>				
Smart RS-232 or USB		Windows® 98/2000/2003/XP/Vista/2008, Windows® 7/8, Linux, MAC		
SNMP (Optional)		Power management with SNMP manager and web browser		
EPO (Optional)		UPS immediatly shuts down		