

# tuncmatik E-SERIES

40/60/80/125/160/225/250 kVA

ONLINE UPS (3/3)

- Double loop on-line design
- Coloured, Touch screen LCD Display (5-7")
- Ability to warn by voice
- Pure sinewave output
- Hi-tech design with DSP technology
- Output power factor 0.8
- Front access for easy maintenance
- Fast service and extra security with internal modular structure
- Active power correction in each phase
- Generator compatible
- Parallelizable up to 4 devices with common batteries
- EPO Function
- Technology to work between 32-40 batteries



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.

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ONLINE UPS (3/3)



MODEL		40 KL	60 KL	80 KL	125 KL	160 KL	225KL	250 KL
Capacity		40KVA / 32KW	60KVA / 48KW	80KVA / 64KW	125KVA / 100KW	160KVA / 128KW	225KVA / 180KW	250KVA / 200KW
Parallel structure		up to 4						
INPUT								
Nominal Voltage		3 x 360/380/400/415 VAC (3Ph+N)						
Voltage Range		110-300 VAC @ 50% load; 176-276 VAC @ 100% load						
Frequency Range		40~70 Hz						
Power Factor		≥ 0.99 100% load						
Harmonic distortion (THDi)		< 4% lineer full load						
OUTPUT								
Output Voltage		3 x 360*/380*/400/415 VAC (3Ph+N)						
AC Voltage Regulation (Batory Mode)		± 1%						
Frequency Range (Synchronous)		46~54Hz or 56~64Hz						
Frequency Range (Battery Modu)		50/60 Hz ± 1%						
Crest Factor		3:1 (max.)						
Harmonic Distortion		≥ 2% THD (Lineer Load)						
Transfer Time	AC Mode to Battery Mode	Zero						
	Inverter to Bypass	Zero						
Waveform (Battery Modu)		Full sine wave						
Overload Capacity		100-110% 10 minute, 111-130% 1 minute, >130% 1s shut down						
BYPASS								
Nominal Voltage		3 x 360/380/400/415 VAC (3Ph+N)						
Voltage Range		305VAC~457VAC						
Frequency Range (Synchronous)		46~54Hz or 56~64Hz						
Overload Capacity		> 130% 1 minute (typical)						
EFFICIENCY								
AC Mode		95,5%						
ECO Mode		98,5%						
Battery Mode		94,5%						
BATTERY								
Battery (VRLA AGM)		2x32 12V9Ah (Internal)	External Battery Pack					
Number of Batteries		32~40 peice (adjustable)						
Charge current (max.)		1-12A, adjustable	1-18A, adjustable		2-36A, adjustable		3-54A, adjustable	
Charge Voltage		+/-13.65V*N (N = 16~20)						
DIMENSION & WEIGHT								
DxWxH (mm)		815 x 300 x 1000			974 x 600 x 1600			
Weight(kg)		74	85	87	241	286	286	382
ENVIRONMENTAL								
Operating Temperature		0~40°C						
Humidity		<95% ve non-condensing						
Altitude**		0 ~ 1000m tfull load						
Noise Level		<65 dB @ 1 Metre	<70 dB @ 1 Metre			<75 dB @ 1 Metre		
SOFTWARE & MANAGEMENT								
Smart RS-232/USB		Windows, Linux ve MAC support						
SNMP (Optional)		Power management via web browser or SNMP manager						
EPO (Optional)		UPS immediatly shuts down						

\*When the Output Voltage is set to 3 x 360VAC or 3 x 380VAC, the output power will be reduced to 90%.

\*\*When the uninterruptible power supply is operated at a higher altitude than the maximum altitude, the output power will decrease by 1% for every 100 m altitude

Tunçmatik AS. reserves the right to make changes in product specifications without prior notice.