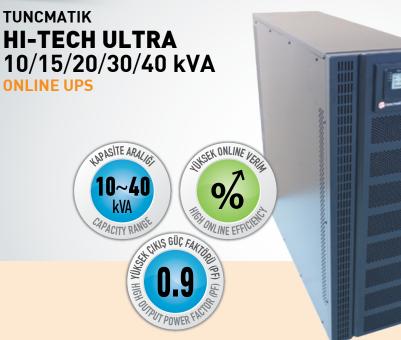
UNINTERRUPTIBLE POWER SUPPLIES



Real double conversion online technology

Online UPSs are an ideal choice especially for computers and other sensitive equipment. Online UPS completely isolates your equipment from the mains, charges its batteries from mains power and by using kinds of filters, supplies connected loads with power. As a result all unwanted conditions that may occur in mains are filtered by online UPS and your sensitive equipment is supplied with clean energy.

Real sine wave output

Fully compatible with all kinds of equipment. Ideal for medical and critical applications.

Wide input voltage range (120-276 VAC)

Online operation with very low and high voltages without using battery power.

Input power factor correction (PF=0.99)

Reduces consumed electrical energy and yields saving in electric bills.

High output power factor (PF=0.9)

15% more power at the output in comparison to standard 0.7 power factor UPS systems. Can support more equipment.

Smart charger technology for optimum battery performance Provides longer battery life and lower operational costs due to special charging technique.

High performance microprocessor

Because of its CPU control, digital structure and high speed; UPS performs overload, short circuit, low-high voltage and overtemperature protections. By providing complete protection ensures a stable and reliable operation.

In slim structure, with a capacity reachable to 40KVA

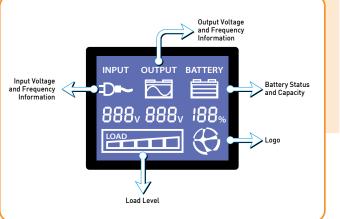
It gives possibility to put devices with high power, to narrow spaces such as server rooms.

High online efficiency

Hi-Tech Ultra pays off its investment costs in a short period of time by reaching 93% efficiency level in average, through its developed technology. Hi-Tech Ultra means an electric bill with lower amount.

Structure available for parallel operation

Hi-tech Ultra has the property to be used in parallel operation, with no need for additional investment cost. A communication cable is sufficient for this.



Everything is under control with multi function, easy to read LCD panel. New advanced LCD panel shows functions, input and output readings, and alarms.



MULTI FUNCTION BUTTONS

- 208/220/230/240 VAC Selectable Output Voltage
- 50/60 Hz Frequency Converter Mode ECO Mode
- High Energy Savings





TECHNICAL SPECIFICATIONS

TUNCMATIK HI-TECH ULTRA 10/15/20/30/40 kVA ONLINE UPS









CAPACITY (KVA)		10 kVA 9 kW	15 kVA 13.5 kW	20 kVA 18 kW	30 kVA 27 kW	40 kVA 36 kW
INPUT					•	
Phase		3 phase 4 wire and ground				
Nominal voltage		380/400/415 VAC				
Voltaj range		208~478 VAC				
Frequency range		45-55Hz de 50Hz/54-66Hz at 60Hz (auto sensing)				
Current THDi		≤ 3% (100% nonlinear load)				
Bypass voltage range		Max. voltage: 220 VAC: +25% (optional +10%, +15%, +20%) 230 VAC: +20% (optional +1%, +15%) 240 VAC: +15% (optional +10%) Min voltage: -45% (optional -10%, -20%, -30%) Frequency protection range: ±10%				
Power factor		≥ 0.99				
OUTPUT						
Phase				3 phase 4 wire and ground	d	
Nominal voltage		380/400/415 VAC				
Power factor		0.9				
		± 1%				
Voltage regulation						
Frequency Normal mode Battery mode		$\pm 1\%, \pm 2\%, \pm 4\%, \pm 5\%, \pm 10\%$ of the rated frequency (optional)				
		(50/60±0.2%) Hz				
Crest factor		3:1				
THD		\leq 2% with linear load, \leq 5% with non linear load				
Efficieny		93%	93%	93%	93,5%	94%
BATTERY	(
Voltage		Standart unit: ±120Vdc (20pcs 12V7Ah) (2x20pcs 12V9Ah optional) Long run unit: ±96V/±108V/±120Vdc (16/18/20pcs optional)	Standard unit: ±120Vdc (2x20 ad. 12V7Ah) Long run unit optional voltage: ±96V/±108V/±120Vdc (16/18/20pcs optional)		Standard unit: ±120Vdc (3x20 ad. 12V7Ah) Long run unit optional voltage: ±96V/±108V/±120Vdc (16/18/20pcs optional)	Standard unit: ±240Vdc (4x20 ad. 12V7Ah) Long run unit optional voltage: ±192V/±204V/±216V/±240VDC (32/34/36/38/40pcs)
Charge current (A) (charge current can be set according to battery capacity installed		Standard unit:1.35A (2.7A optional) Long run unit: Max. current 10A	Standard unit: 2.7A Long run unit: Max. current 10A		Standard unit: 4.5A Long run unit: Max. current 10A	Long run unit: Max. current 10A
Transfer time		Utility to battery: 0ms; Utility to bypass: 0ms				
PROTEC			Other to	buttery. onis, othery to by	5055. 0m5	
TROTEO	AC mode	Loads ≤ 110%: last 60min, ≤ 125%: last 10min, ≤ 150%: last 1min, > 150% change to bypass immediately				
Overload						
	Battery mode		≤ 110%: last 10min, ≤ 125%: last 1min, ≤ 150%: >150% shut down UPS immediately			
	Bypass mode	Breaker 20A	Breaker 32A	Breaker 40A	Breaker 63A	Breaker 80A
Short circui		120 peak		peak		peak
Over temperature		Line mode: Switch to bypass, Backup mode: Shut down				
Battery low		Alarm and switch off				
Self-diagnostic		Upon power on and software control				
EPO (optional)		Shut down UPS immediately				
Battery		Advanced battery management				
Noise suppression		Complies with EN62040-2(
	ONS & WEIGHT			·		
D x W x H (n				828 x 250 x 868		
Weight (kg)		115/57	170/63	171/64	223/71	73
INDICATORS & ALARM						
Status LED			Line mode Bypacs ma	de Battery low Battery ba	nd Overland & LIDS foult	
LCD panel		Line mode, Bypass mode, Battery low, Battery bad, Overload & UPS fault Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage & Inner temperature				
Audible & Visual		Line failure, Battery low, Overload, System fault				
			Line failur	e, Battery low, Overload, S	bystem fault	
ENVIRONMENTAL						
Operating temperature		0-40°C				
Humidity		0-95% (non condensing)				
Noise level		≤ 60dB	≤ 63dB	≤ 65dB	≤ 73dB	≤ 73dB
MANAGEMENT						
Operating s		Windows® 98/2000/2003/XP/Vista/2008, Windows® 7/8, Linux, MAC				
Interface		RS 485, USB, Paralel (Optional), Dry contact, Intelligent slot, SNMP adapter (Optional), Relay card (Optional)				
menace		NJ 400, UJD, Pa	a ater (optional), DI y COII	act, intettigent stot, SMMP	adapter (optional), Reldy	