



STAR T5

Uninterruptible Power Supply
from 10 kVA to 300 kVA

The new STAR T5 Three Phases UPS Family is the highest technological and design qualities produced by AEC.

The STAR T5 is a True double-conversion on-line UPS with full digital controls and latest transformerless configuration.

POWER RATINGS

With an extensive range from 10 kVA upto 300 kVA, the STAR T5 is the perfect power protection system for all users, from small enterprises upto big industrial corporations.

Highly customisable with a full list of options and accessories to match all customers requests for a total satisfaction.

STAR T5 - The Ultimate Technology in 3phase Systems"



TOTAL POWER PROTECTION

With an input power factor better than 0.95, the selectable "Power Save Mode", the highest efficiency due to transformerless design, and the EPO (Emergency Power Off) feature standard on board, the STAR T5 is the expert solution to ensure a total protection in any environment.

The possibility to easily put in parallel upto 6 units for a N+1 redundant protection and the optional remote Teleservice feature gives to the users the Total Power Protection for the critical unattended installations.

Support for optional SNMP network agent is also provided, enabling full network management functions.



STAR T5 key features

- 1 LATEST DIGITAL TRANSFORMERLESS TRUE DOUBLE-CONVERSION ON-LINE TECHNOLOGY.
- 1 INPUT POWER FACTOR BETTER < 0.95.
- 1 EXCELLENT PERFORMANCE AND MAXIMUM RELIABILITY, DESIGNED FOR BEST EQUIPMENT PROTECTION.
- 1 ADVANCED MICROPROCESSOR CONTROL TECHNOLOGY, ENHANCING UPS PERFORMANCE.
- 1 VERY COMPETITIVELY PRICED.
- 1 HIGHEST EFFICIENCY IN THE MARKET.
- 1 POWER SAFE MODE FEATURE FOR BEST ENERGY SAVINGS.
- 1 VERY LOW ACOUSTIC NOISE LEVEL.
- 1 LCD DISPLAY USER FRIENDLY .
- 1 EMERGENCY POWER OFF ON BOARD.
- 1 AUTO DIAGNOSTIC SYSTEM.
- 1 REAR WALL-MOUNTING POSSIBLE WITH FREE FRONT ACCESS (UPTO 40 KVA).
- 1 MOUNTED ON CASTOR WHEELS FOR EASY LOCATION (UPTO 40 KVA).
- 1 INTERNAL BATTERIES UPTO 10 MINUTES FOR A 40 KVA MODEL OR UPTO 60 MINUTES FOR A 10 KVA SYSTEM.



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STAR T5 SERIES SPECIFICATIONS

Model Power	10 - 15 - 20 - 30 - 40 - 60 - 80 - 100 - 120 - 160 - 200 - 250 - 300 kVA	
Input Characteristics	Input Voltage (Vac)	3 ph+N 380 to 415
	Input Voltage Range (Vac)	from 330 to 480
	Input Frequency (Hz)	50 - 60 +/- 20%
	Input P.F.	better than 0.95
	Soft Start	10 seconds
	Maximum Charging Current (A dc)	7
	Number of cells	192
	Battery Voltage Range (Vdc)	320 - 500
Output Characteristics	Inverter Input Voltage Range (Vdc)	from 320 to 750
	Efficiency at 100% load	better than 94 %
	Output Voltage (Vac)	380 - 400 - 415 adjustable
	Output Harmonic Distorsion	<3% linear load or <5% non linear load
	Phase Displacement	120° +/- 1% balanced load 120° +/- 3% unbalanced
	Voltage Tolerances	<1% Static balanced load <3% Static 50% unbalanced load <5% Static 100% unbalanced load <3% Dynamic 50% load step <4% Dynamic 100% load step
	Short Circuit Current	300% nominal current for 3 seconds
	Voltage Transient Recovery Time	<30 msec RMS
	Wave Form	Sinusoidal
	Overload Capabilities	150% for 10 seconds - 125% for 10 minutes
System Characteristics	Dimensions (LxPxH) mm.	530x950x1220 (10 to 40 kVA) 770x750x1350 (60 to 120 kVA) 1240x800x1800 (160 to 300 kVA)
	Protection	IP20
	Audible noise level (1 mt. dBA)	<50 (10 to 40 kVA) <65 (above 60 kVA)
	Operating temperature	from 0 to 40 ° C
	Humidity (%)	< 95 % (non-condensing)

To get more complete Technical Data Sheets,
Design Standards and Safety rules,
please send requests to t5@aeceuro.com

Our
knowledge
is your
Power