UPS DIRECT
powerprotection

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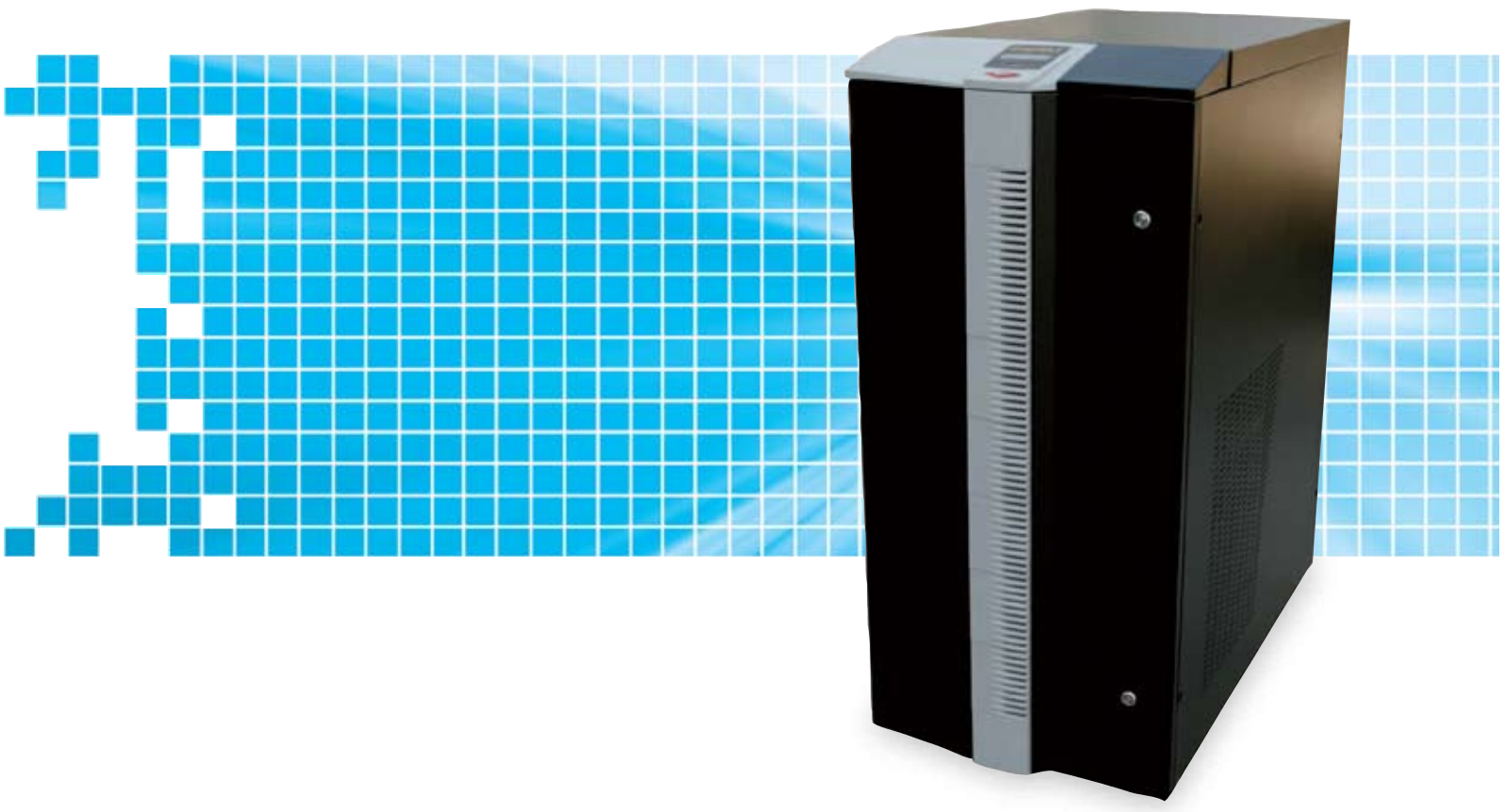
AEC



T4SERIES

10kVA - 20kVA

For further information contact UPS Direct Ltd:
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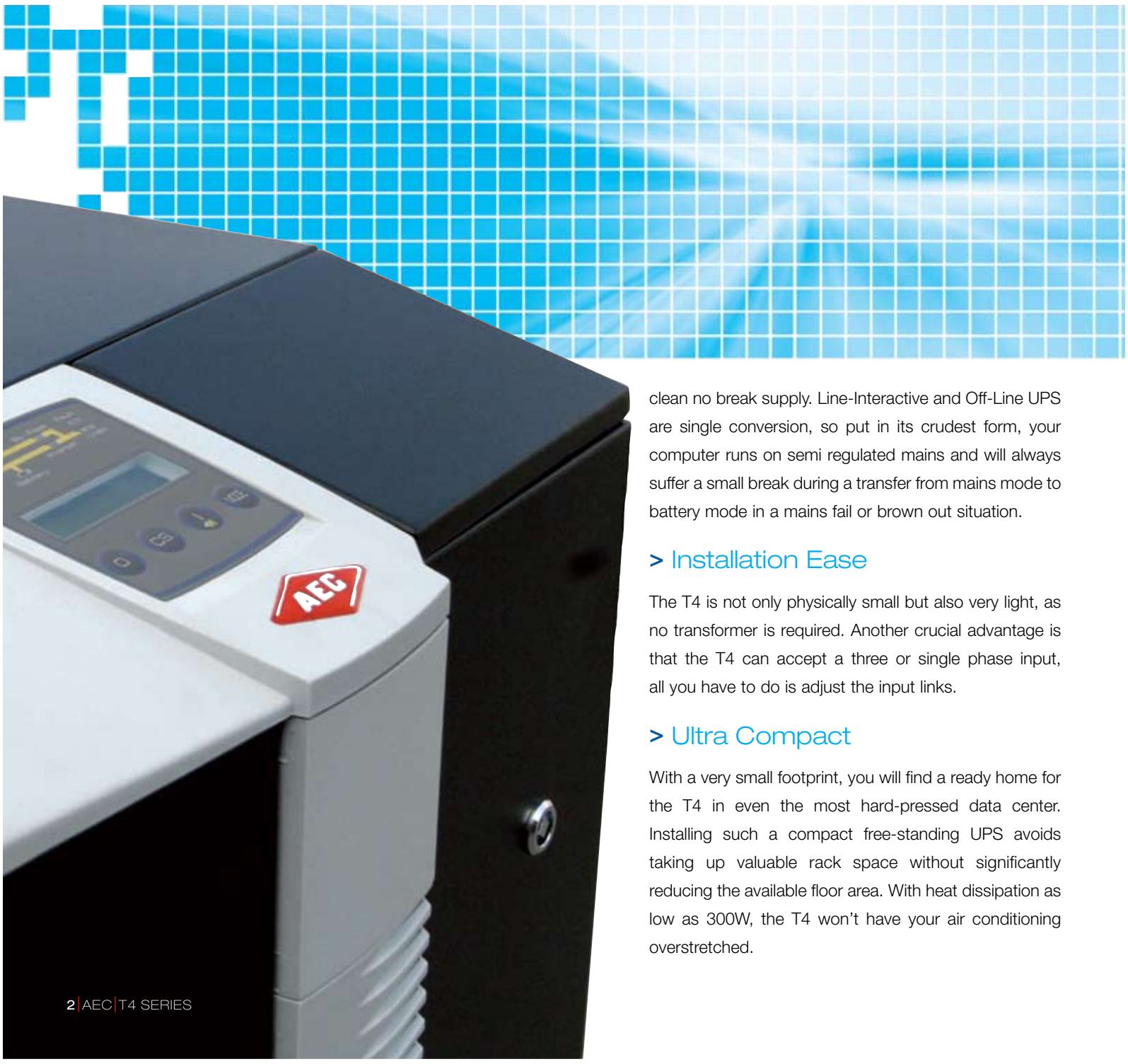
T4SERIES

10kVA - 20kVA

With ever greater demands being made on IT managers, a clean, reliable and robust power supply is crucial in today's computer dependent world. To address these needs AEC is proud to introduce the T4 On-Line, double conversion series. In the past, On-Line technology has struggled against low priced Line-Interactive and Off-Line topologies offered by some of the world's biggest brands; however with the availability of modern power devices and enhanced SMT production techniques, the On-Line T4 can comfortably compete on price whilst offering superior no break power protection.

The T4 is a physically small On-Line UPS, but retains all the features normally associated double conversion technology. But what is On-Line double conversion technology and why does it matter? Simply put, "double-conversion" means the mains supply is rectified to a DC voltage and rebuilt into a very clean and regulated AC voltage, so at all times your critical load runs from this clean no break supply. Line-Interactive and Off-Line UPS are single conversion, so put in its crudest form, your computer runs on semi regulated mains and will always suffer a small break during a transfer from mains mode to battery mode in a mains fail or brown out situation.



> Installation Ease

The T4 is not only physically small but also very light, as no transformer is required. Another crucial advantage is that the T4 can accept a three or single phase input, all you have to do is adjust the input links.

> Ultra Compact

With a very small footprint, you will find a ready home for the T4 in even the most hard-pressed data center. Installing such a compact free-standing UPS avoids taking up valuable rack space without significantly reducing the available floor area. With heat dissipation as low as 300W, the T4 won't have your air conditioning overstretched.

> Display Panel

LCD display and audible alarms actively let you know if the unit is on battery, the battery charge is low, or there is an overload condition. Loading and battery information via the LCD prevent you from exceeding the UPS capacity, and allow you to assess the remaining runtime before battery reserves are depleted.

> Advanced Battery Management

A variable boost charger ensures quick battery re-charge. This means that the T4 UPS is fully prepared for duty with a minimum recovery time in the event of a power failure. Active battery management intelligently monitors the battery set with automatic battery and circuitry self-tests, this feature increases both battery life and system reliability.

> Management Options

In common with the rest of the AEC on-line UPS range, the T4 supports a broad range of industry standard protocols, with management options to suit all environments. This means that the T4 can be managed using any standard-compliant operating system in conjunction with one of a number of available management solutions, including direct serial connection via smart RS232.

> Modularity

The T4 protects your data by continually supplying network-grade power, regardless of the input power condition. For mission–critical applications where ultra-long runtimes and high availability are required, the T4 external battery pack modules provide not only extended runtime but also redundancy in the event of battery failure.

> UPS Management

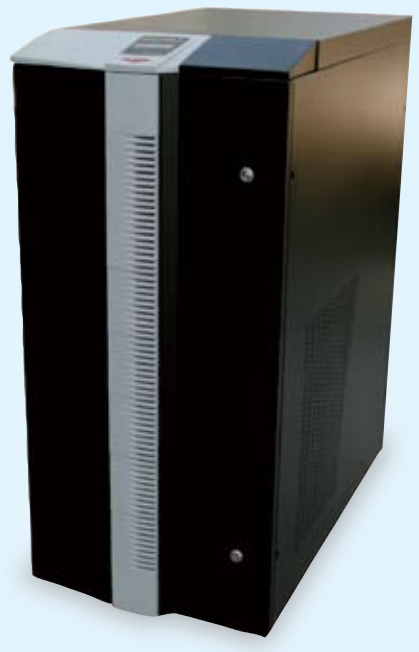
One industry standard management tool can be used to monitor and control all your UPS from one central location. This means power management can now be integrated into your existing network or building management strategy. Alarms ('traps') can be configured to ensure automatic notification of events such as low battery, mains outage or overload. Two such tools can be used with the T4: Simple Network Management Protocol (SNMP) and UPS Management Software.

"Online double conversion with selectable input"

> Standard Properties

- True on-line double conversion technology for ultimate power protection
- Low thd compliant (full load <7%)
- SNMP/http option for remote management and integration into NMS
- Smart RS232 and volt-free contacts as standard external battery packs available for extended run times
- Optional specialised UPS management software
- Failsafe internal bypass switch with manual control
- Advanced microprocessor control and IGBT inverter
- High energy efficiency and low waste heat dissipation
- Active battery management for fault prediction

Screenshot of Net Agent Mini Software



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T4SERIES

TECHNICAL SPECIFICATIONS

SPECIFICATIONS	10kVA	15kVA	20kVA
INPUT			
Nominal Voltage	380 V / 400V / 415V 3Phase, N		
Minimum Voltage (half load)	140V 3Phase, N		
Minimum Voltage (at full load)	260V 3Phase, N		
Maximum Voltage	480V 3Phase, N		
Frequency	50 - 60Hz (45 to 65 Hz)		
Nominal Current	11.8 A / phase	17,4 A / phase	23,3 A / phase
Maximum Current	36 A peak / phase	53 A peak / phase	71 A peak / phase
Power Factor	>0,97		
BYPASS			
Voltage Tolerance	10% (adjustable)		
Frequency Tolerance	3Hz (adjustable)		
Transfer Time	0 ms		
BATTERY			
Type	Maintenance Free Dry Type		
Number of Batteries	32		
Recharging Time	< 4 h		
Discharge Current Wave	< 10%		
Others	Heat compensated battery charging		
OUTPUT			
Nominal Voltage	210V / 220V / 230V (adjustable)		
Wave Form	Sinus		
Total Harmonic Distortion	< 3%		
Frequency	50Hz or 60Hz (adjustable)		
Voltage Regulation (Static)	1%		
Crest Factor	3		
Overload	> 30s (at 150 % load)		
Total Efficiency	> 91%		
PROTECTION			
Protections	Overload Protection, Short Cicuit Protection, High Temperature, Over Voltage, Over Current		
COMMUNICATION INTERFACE			
RS 232	Isolated according to EN60950		
Free Contact	Isolated according to EN60950		
ENVIRONMENT			
Temperature	0 - 40 °C		
Suggested Temp. to extend	20 - 25 °C		
battery life			
Humidity	< 95%		
Acoustic Noise	< 55db, 1m		
PHYSICAL SPECIFICATIONS			
Net weight without battery	55kg	125kg	130kg
Dimensions (mm) (WxDxH)	27x73x78	430x820x970	
STANDARDS			
Safety	EN50091-1		
EMC	EN50091-2		
Protection Class	IP 20		