

UNINTERRUPTIBLE POWER SUPPLIES



INDEX

■ FACTORY	02
■ R&D	03
■ LEO+	04
■ TEOS+ 100 (1-3kVA)	05
■ TEOS+ 100 (6-10kVA)	06
■ TEOS+ 100RT (1-3kVA)	07
■ TEOS+ 100RT (6-10kVA)	08
■ TEOS+ 200	09
■ TEOS+ 200RT	10
■ TEOS 300	11
■ TEOS+ 300	12
■ TEOS+ 300RT	13
■ DS POWER SH	14
■ DS POWER H	15

■ DS POWER X	16
■ DS POWER	17
■ DS POWER HT	18
■ MTR MODULAR UPS	19
■ MTI200 MODULAR UPS	20
■ MTI250 MODULAR UPS	21
■ MTI300 MODULAR UPS	22
■ MTI500 MODULAR UPS	23
■ XT100	24
■ XT200	25
■ XT300	26
■ STS2000	27
■ STS3000-4000	28



FACTORY

Tescom formerly known as Tümel Elektronik located in Izmir-Turkey is an independently owned corporation, offering a wide range of power protection products and services to a wide spectrum of industries and sectors.

During the establishment years the company was manufacturing electronic control devices and inverters, then in 1986 when the IT sector started developing rapidly, Tescom sensed the great need for clean, uninterruptible power and started designing and manufacturing Uninterruptible Power Supplies.

As well as an extensive standard UPS range Tescom also offers a variety of other products such as static transfer switch (STS), frequency and voltage converters, inverters and rectifiers under it's registered trademark "Tescom". Today all Tescom branded power protection products are manufactured by 48 greatly experienced engineers and staff of 345 people.

One of the greatest advantages of Tescom has always been, flexibility. Which means we do not only offer standard products. Thank's to our high experienced R&D team we also design and manufacture products according to customers requirements.

Tescom has always made widespread use of the latest developments and technologies in manufacturing, which complies with all the necessary international standards and norms. All these past years of experience, has lead to over 300,000 manufactured power protection products which have been delivered to customers in more than 40 countries in 4 continents.



R&D

Tescom's R&D department is the most valuable asset to this company since the day it was founded. All engineers working here are the most experienced ones in the country in the field of power electronics. This team has the knowledge and skill to create and launch a new product into the market within a very short period of time. Besides, this R&D team has also ability to implement special request specifications to the standard manufactured products, faster and more efficiently than the competitors.

Thanks to the large budget allowance given every year a considerable amount of investment is being made to this department and as a result today Tescom is in a very pretentious position both in domestic and international markets.

Due to the close and strong relations with the international suppliers, Tescom has always been a company using and applying the latest technology materials and components in the products manufactured. Since day one the goal of the Tescom's R&D team has always been to follow up the latest technological developments in the market and detect the customer demands, then create and launch a product accordingly.

LEO+

650-2200VA



LINE INTERACTIVE

- ▶ LED/LCD Display Option
- ▶ Microprocessor Control
- ▶ Compact Size

LEO+ Line Interactive UPS is an uninterruptible power supply with microprocessor control and smart battery management system that can offer solutions especially for your home and office applications. It is available for your use with its small volume and stylish design, LED/LCD screen options, USB and RJ11 connection. It provides a safe usage opportunity thanks to high current, short circuit, overload, high battery charge/discharge protections.



GENERAL SPECIFICATIONS

- Microprocessor-based digital control
- Boost and buck AVR for voltage stabilization
- Power-on self test
- Cold start
- Auto track mains phase to ensure that inverter output voltage has same phase with utility voltage, reducing transfer time and peak surge
- Auto restart when mains power is restored
- Intelligent battery management: battery temperature compensation to extend the battery life; three-stage charging to shorten recharge time
- Short circuit, battery overcharge / overdischarge, overload, surge protections
- Automatic charging in OFF mode
- Optional no-load shutdown
- Optional RS232 / USB communication port and RJ11 / RJ45 protection
- Unattended safety shutdown: system alarm and auto Power-On / Off by RS232 or USB interface communicating with PC

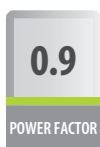
TEOS+ 100

1-3kVA / 1:1



- ▶ Advanced Battery Management
- ▶ Auto Sensing Frequency
- ▶ DSP Control Technology

TEOS+ 100 Online UPS is an uninterruptible power supply designed with true double conversion technology and DSP (Digital signal processors) controlled processor. Thanks to its plug-and-play feature and silent operation, it is especially preferred for use in home and office applications. Efficiency with Active Power Factor Correction (APFC) feature, flexibility with wide voltage/frequency range is provided.



GENERAL SPECIFICATIONS

- High frequency on-line double conversion technology
- Active power factor correction (APFC), input power factor up to 0.99
- Output power factor 0.9
- Wide input voltage range (110 V ~ 300 Vac) and frequency range (40 ~ 70 Hz)
- 50/60Hz frequency conversion
- Cold start
- Rear ventilation design and variable speed fan
- Effective software and hardware protection
- Quick and stable charging, 90% capacity restored in 4h (standard model UPS)
- Linear derating in low voltage input reducing battery discharging times
- Settable delayed start when power is restored
- Multiple functions settable via LCD: output voltage, EOD, auto-start, bypass mode, ECO mode and frequency conversion mode
- Multi-platform communications: RS232 (standard), USB / RS485 / SNMP / dry contacts (optional)
- EPO function, and 12 A charger (2/3 kVA only) (optional)

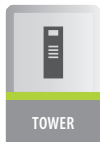
TEOS+ 100

6-10kVA / 1:1



- ▶ Advanced DSP and 3-Level Technology
- ▶ Advanced Digital Parallel Technology
- ▶ Auto Sensing Frequency

TEOS+ 100 Online UPS is an uninterruptible power supply designed with true double conversion technology and DSP (Digital signal processors) controlled processor. High efficiency is achieved with an output power factor of 1.0 and an input power factor of ≥ 0.99 . Thanks to its silent operation, it is especially preferred for use in home and office applications. It offers flexibility of use with its prominent features such as frequency converter mode, wide voltage/frequency range and multiple communication options.



GENERAL SPECIFICATIONS

- Active power factor correction (APFC), input power factor up to 0.99
- High efficiency 95% (up to 98% in ECO mode)
- Advanced digital parallel technology
- Wide input voltage range (110 ~ 288 Vac) and frequency range (40 ~ 70 Hz)
- 50 / 60 Hz frequency auto sensing
- Two modes of frequency conversion: 50 Hz input / 60 Hz output or 60 Hz input / 50 Hz output
- Dual-input design, supporting independent bypass
- Flexible battery configuration (settable 16 - 20 pcs batteries)
- Digitally controlled charger
- Charging voltage and current configured by demands
- Linear derating in low voltage input reducing battery discharging times, extending the service life of battery
- Ability to switch on the UPS with batteries
- Equipped with self-aging function
- Powerful background software for parameters configuration
- Intelligent battery management, automatic floating / equalizing charge control, charger dormancy control, increasing battery life by 50%
- Settable delayed start time when mains power is restored, reducing the impact on power grid or generator
- Fan speed varies intelligently with temperature, reducing noise and extending its service life
- Compact internal layout, miniaturized the complete unit for small footprint
- LCD+LED display, multi-functional keys operation, friendly human-machine interface
- Advanced multi-platform communications: RS232, USB, RS485, SNMP and dry contacts communication interfaces
- Effective software and hardware protection function, robust self-diagnostic function, and abundant event log for check
- RS232 and smart card slot included
- SNMP card, USB, RS485 card, dry contacts

TEOS+ 100RT

1-3kVA / 1:1



DATA CENTER



HOME & OFFICE



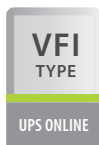
MALLS & FACILITIES

- ▶ EPO Feature
- ▶ DSP Control
- ▶ LCD Display

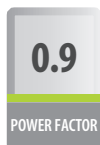
TEOS+ 100RT Online UPS is a DSP controlled uninterruptible power supply designed with true double conversion technology. It is efficient with output power factor (PF:0.9) and input power factor correction. It is especially suitable for use in home-office applications and data centers. It offers flexibility of use with its prominent features such as frequency converter mode, wide voltage/frequency range, rack and tower usage option and multiple communication options.



TOWER / RACK



UPS ONLINE



POWER FACTOR



PLUG & PLAY

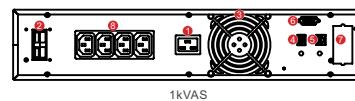


ECO FRIENDLY

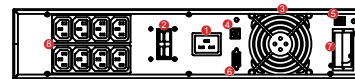


GENERAL SPECIFICATIONS

- High frequency on-line double conversion technology
- DSP (Digital signal processors) control technology
- Active power factor correction (APFC), input power factor up to 0.99
- Output power factor 0.9
- Wide input voltage range (110 V ~ 300 Vac) and frequency range (40 ~ 70 Hz)
- Auto sensing frequency
- 50/60Hz frequency conversion
- Cold start
- Rear ventilation design and variable speed fan
- Effective software and hardware protection
- Quick and stable charging, 90% capacity restored in 4h (standard model UPS)
- Linear derating in low voltage input reducing battery discharging times
- Settable delayed start when power is restored
- Hot-swappable battery
- Advanced battery management (ABM)
- Multiple functions settable via LCD: output voltage, EOD, autostart bypass mode, ECO mode and frequency conversion mode
- Multi-platform communications: RS232 (standard), USB / RS485 / SNMP / dry contacts (optional)
- Optional USB, RS485 card, AS400 dry contacts, SNMP card, SMS alarms, EPO function, MBS (External maintenance bypass switch)



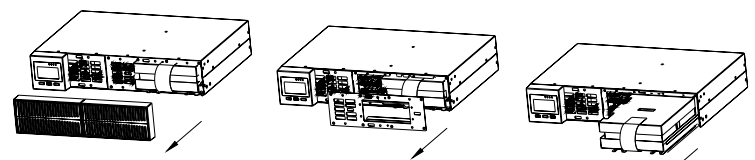
1kVAS



2kVAS



3kVAS



Easy for maintenance, hot-swappable battery

REAR PANEL

- | | |
|---------------------------------|---------------------|
| 1- AC input socket | 5- EPO (optional) |
| 2- Battery connector (optional) | 6- RS232 |
| 3- Fan | 7- Intelligent slot |
| 4- USB (optional) | 8- Output sockets |

TEOS+ 100RT

6-10kVA / 1:1



DATA CENTER



HOME & OFFICE



MALSS & FACILITIES

- ▶ Advanced DSP and 3-Level Technology High
- ▶ Efficiency
- ▶ Power Factor 1.0

TEOS+ 100RT Online UPS is a DSP controlled uninterruptible power supply designed as 3-level with true double conversion technology. It stands out with its high output power factor (PF:1) and input power factor correction, high charging current power and maximum efficiency design. It is especially suitable for use in home-office applications and data centers. It offers flexibility of use with its prominent features such as frequency converter mode, wide voltage/frequency range, rack and tower usage option and multiple communication options.



TOWER / RACK



UPS ONLINE



POWER FACTOR



SERVICE / TECH. SUPPORT



ECO FRIENDLY



GENERAL SPECIFICATIONS

- Advanced DSP and 3-Level technology
- Output power factor 1.0
- Active power factor correction (APFC), input power factor up to 0.99
- High efficiency 95% (up to 98% in ECO mode)
- Advanced digital parallel technology
- Wide input voltage range (110 - 288 Vac) and frequency range (40 - 70Hz)
- 50 / 60 Hz frequency auto sensing
- Two modes of frequency conversion: 50Hz input / 60Hz output or 60Hz input / 50Hz output
- Hot-swappable battery
- Flexible battery configuration (settable 16 - 20 pcs batteries)
- Digitally controlled charger
- High charging current available (Maximum 5A for long run model)
- Charging voltage and current configured by demands
- Linear debating in low voltage input reducing battery discharging times, extending the service life of battery
- Intelligent battery management, automatic floating / equalizing charge control, charger dormancy control, increasing battery life by 50%
- Ability to switch on the UPS with batteries
- Settable delayed start time when mains power is restored, reducing the impact on power grid or generator
- Fan speed varies intelligently with temperature, reducing noise and extending its service life
- Equipped with self-aging function
- Compact internal layout, miniaturized the complete unit for small footprint
- LCD+LED display, multi-functional keys operation, friendly human-machine interface
- Powerful background software for parameters configuration
- Advanced multi-platform communications: RS232, USB, RS485, SNMP and dry contacts communication interfaces
- Effective software and hardware protection function, robust and self-diagnostic function, and abundant event log for check
- Available Options
- RS232 and smart card slot included
- Optional parallel function, battery temperature compensation, SNMP card, USB, RS485 card, dry contacts, EMD, and SMS alarms

TEOS+ 200

10-20kVA / 3:1



DATA CENTER



HOME & OFFICE



MALSS & FACILITIES

- ▶ Advanced DSP and 3-Level Technology
- ▶ High Efficiency
- ▶ Power Factor 1.0

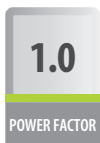
TEOS+ 200 Online UPS is a DSP controlled uninterruptible power supply designed as 3-level with true double conversion technology. It stands out with its high output power factor (PF:1) and input power factor correction, high charging current power and maximum efficiency design. It is especially suitable for use in home-office applications and data centers. It offers flexibility of use with its prominent features such as frequency converter mode, wide voltage/frequency range and multiple communication options.



TOWER / RACK



UPS ONLINE



POWER FACTOR



SERVICE /
TECH. SUPPORT



ECO FRIENDLY



GENERAL SPECIFICATIONS

- Advanced DSP and 3-Level technology
- Output power factor 1.0
- Active power factor correction (APFC), input power factor up to 0.99
- High efficiency 95% (up to 98% in ECO mode)
- Advanced digital parallel technology
- 3:1 to 1:1 model settable
- Wide input voltage range (190 - 499 Vac) and frequency range (40 - 70Hz)
- 50 / 60 Hz frequency auto sensing
- Two modes of frequency conversion: 50Hz input / 60Hz output or 60Hz input / 50Hz output
- Dual-input design, supporting independent bypass
- Flexible battery configuration (settable 16 - 20 pcs batteries)
- Digitally controlled charger
- High charging current available (Max. 10 A)
- Charging voltage and current configured by demands
- Linear debating in low voltage input reducing battery discharging times, extending the service life of battery
- Intelligent battery management, automatic floating / equalizing charge control, charger dormancy control, increasing battery life by 50%
- Ability to switch on the UPS with batteries
- Settable delayed start time when mains power is restored, reducing the impact on power grid or generator
- Fan speed varies intelligently with temperature, reducing noise and extending its service life
- Equipped with self-aging function
- Compact internal layout, miniaturized the complete unit for small footprint
- LCD+LED display, multi-functional keys operation, friendly human-machine interface
- Powerful background software for parameters configuration
- Advanced multi-platform communications: RS232, USB, RS485, SNMP and dry contacts communication interfaces
- Effective software and hardware protection function, robust and self-diagnostic function, and abundant event log for check

AVAILABLE OPTIONS

- RS232 and smart card slot included
- Optional parallel function, battery temperature compensation, SNMP card, USB, RS485 card, dry contacts, EMD, and SMS alarms

TEOS+ 200RT

10-20kVA / 3:1



DATA CENTER



HOME & OFFICE



MALSS & FACILITIES

- ▶ Advanced DSP and 3-Level Technology
- ▶ High Efficiency
- ▶ Power Factor 1.0

TEOS+ 200RT Online UPS is a DSP controlled uninterruptible power supply designed as 3-level with true double conversion technology. It stands out with its high output power factor (PF:1) and input power factor correction, high charging current power and maximum efficiency design. It is especially suitable for use in home-office applications and data centers. It offers flexibility of use with its prominent features such as frequency converter mode, wide voltage / frequency range, rack and tower usage option and multiple communication options.



TOWER / RACK



UPS ONLINE



POWER FACTOR



SERVICE /
TECH. SUPPORT



ECO FRIENDLY



GENERAL SPECIFICATIONS

- Advanced DSP and 3-Level technology
- Output power factor 1.0
- Active power factor correction (APFC), input power factor up to 0.99
- High efficiency 95% (up to 98% in ECO mode)
- Advanced digital parallel technology
- 3:1 to 1:1 model settable
- Wide input voltage range (190 - 478 Vac) and frequency range (40 - 70Hz)
- 50 / 60 Hz frequency auto sensing
- Two modes of frequency conversion: 50Hz input / 60Hz output or 60Hz input / 50Hz output
- Dual-input design, supporting independent bypass
- Hot-swappable battery (10kVA)
- Flexible battery configuration (settable 16 - 20 pcs batteries)
- Digitally controlled charger
- High charging current available (Max. 10 A)
- Charging voltage and current configured by demands
- Linear debating in low voltage input reducing battery discharging times, extending the service life of battery
- Intelligent battery management, automatic floating / equalizing charge control, charger dormancy control, increasing battery life by 50%
- Ability to switch on the UPS with batteries
- Settable delayed start time when mains power is restored, reducing the impact on power grid or generator
- Fan speed varies intelligently with temperature, reducing noise and extending its service life
- Equipped with self-aging function
- Compact internal layout, miniaturized the complete unit for small footprint
- LCD+LED display, multi-functional keys operation, friendly human-machine interface
- Powerful background software for parameters configuration
- Advanced multi-platform communications: RS232, USB, RS485, SNMP and dry contacts communication interfaces
- Effective software and hardware protection function, robust and self-diagnostic function, and abundant event log for check

AVAILABLE OPTIONS

- RS232 and smart card slot included
- Optional parallel function, battery temperature compensation, SNMP card, USB, RS485 card, dry contacts, EMD, and SMS alarms

TEOS 300

10-80kVA / 3:3



DATA CENTER



TRANSPORT



HOME & OFFICE



MALLS & FACILITIES

- ▶ Output Power Factor (PF) 1.0
- ▶ DSP Control
- ▶ Split By-pass

TEOS 300 Online UPS is an uninterruptible power supply that guarantees high performance with its true double conversion technology and DSP controlled processor (Digital Signal Processor). Thanks to its silent operation, it is especially preferred for use in home-office applications. It offers flexibility of use with its prominent features such as frequency converter mode, wide voltage/frequency range and multiple communication options. Long backup time with powerful charger option, touchscreen graphic panel application, split dual input, voice and speaking notifications are the features that differentiate the product.



POWER FACTOR



TOWER



UPS ONLINE



USB



SERVICE /
TECH. SUPPORT



GENERAL SPECIFICATIONS

- DSP technology guarantees high performance
- Output power factor 1.0
- Active power factor correction in all phases
- Dual Inputs
- 50Hz/60Hz frequency converter mode
- ECO mode operation for energy saving
- Emergency power off function (EPO)
- IGBT rectifier and EMI/RFI filtering feature
- Adjustable charging current
- Very powerful charger
- Optional parallel operation with common battery
- High overload capability
- Adjustable battery design
- Optional 4.3" touch LCD

TEOS+ 300

10-30kVA / 3:3



DATA CENTER



TRANSPORT



HOME & OFFICE



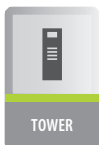
MALLS & FACILITIES

- ▶ 5 Inches LCD Colorful Touchscreen
- ▶ Output Power Factor (PF) 1.0
- ▶ DSP Control

TEOS+ 300 Online UPS is a DSP controlled uninterruptible power supply designed as 3-level with true double conversion technology. It stands out with its high output power factor (PF:1) and input power factor correction, high charging current power and maximum efficiency design. It is especially preferred for use in home-office applications and data centers. It offers flexibility of use with its prominent features such as color and touch screen, frequency converter mode, wide voltage/frequency range, high charging current capacity and multiple communication options.



POWER FACTOR



TOWER



UPS ONLINE



USB



SERVICE /
TECH. SUPPORT



GENERAL SPECIFICATIONS

- Advanced dual-core DSP control technology and 3-level technology
- Active power factor correction (APFC), input power factor up to 0.99
- System efficiency is improved to 95%, energy saving rate is doubled
- Output power factor 1.0
- Dual input design, supporting independent bypass
- Advanced digital and parallel technology, providing higher reliability than single system
- Wide input voltage range
- 50 / 60 Hz auto-sensing frequency
- 50 / 60 Hz frequency conversion mode
- Work efficiency up to 98% in ECO mode
- Fan speed varies intelligently with load, reducing noise and extending its service life
- Conformal coating technology to make UPS operate in harsh environment for a long time
- Flexible battery configuration setting, selectable battery numbers: 32~40 pcs
- Digitally controlled charger (Max.10 A & 20% output power)
- Ability to switch on the UPS by battery in the absence of mains power (Cold start)
- Compact internal layout, small footprint
- Zero switching time for UPS power supply mode when the mains power is unstable, ensuring the output is uninterrupted
- 5 inches LCD colorful touch screen, friendly human & machine interface
- Advanced multi-platform communication for UPS monitoring: RS232, USB, RS485, dry contacts, SNMP card, Wi-Fi card and GPRS card
- Linear derating in low voltage input, reducing battery discharging times, extending the service life of battery
- Intelligent battery management, automatic equalized and float charging control, charger dormancy control, improving the reliability of charger and extending the battery life
- Effective hardware and software protection, robust self-diagnosis function, abundant event log for future check
- Standard RS232, USB, RS485, EPO, Dry contacts, Parallel port
- Optional SNMP card, Wi-Fi card, GPRS card, SMS alarms
- Powerful background software for parameters configuration and online upgrade

TEOS+ 300RT

10-30kVA / 3:3



DATA CENTER



TRANSPORT



HOME & OFFICE



MALLS & FACILITIES

- ▶ 5 Inches LCD Colorful Touchscreen
- ▶ Output Power Factor (PF) 1.0
- ▶ DSP Control



GENERAL SPECIFICATIONS

- Advanced dual-core DSP control technology and 3-level technology
- Active power factor correction (APFC), input power factor up to 0.99
- System efficiency is improved to 95%, energy saving rate is doubled
- Output power factor 1.0
- Dual input design, supporting independent bypass
- Advanced digital and parallel technology, providing higher reliability than single system
- Wide input voltage range
- 50 / 60 Hz auto-sensing frequency 50 / 60 Hz frequency conversion mode
- Work efficiency up to 98% in ECO mode
- Fan speed varies intelligently with load, reducing noise and extending its service life
- Conformal coating technology to make UPS operate in harsh environment for a long time
- Flexible battery configuration setting, selectable battery numbers: 32~40 pcs
- Ability to switch on the UPS by battery in the absence of mains power (Cold start)
- Digitally controlled charger (Max.10 A)
- Zero switching time for UPS power supply mode when the mains power is unstable, ensuring the output is uninterrupted
- Compact internal layout, small footprint
- 5 inches LCD colorful touch screen, friendly human & machine interface
- Powerful background software for parameters configuration and online upgrade
- Advanced multi-platform communication for UPS monitoring: RS232, USB, RS485, dry contacts, SNMP card, Wi-Fi card and GPRS card
- Linear derating in low voltage input, reducing battery discharging times, extending the service life of battery
- Intelligent battery management, automatic equalized and float charging control, charger dormancy control, improving the reliability of charger and extending the battery life
- Effective hardware and software protection, robust self-diagnosis function, abundant event log for future check
- Standard RS232, USB, RS485, EPO, Dry contacts, Parallel port
- Optional SNMP card, Wi-Fi card, GPRS card, SMS alarms

DS POWER SH

10-20kVA / 3:3



INDUSTRY



MEDICAL



DATA CENTER



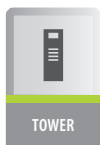
TRANSPORT



MALLS & FACILITIES

- ▶ 3-Level Technology
- ▶ IGBT Rectifier
- ▶ DSP Control

DS Power SH Online UPS has emerged as an affordable alternative to the DS Power H model with its compact and small-footprint design. It stands out with its ergonomic design that occupies less space with the same power as the battery cabinet that can be positioned one above the other with the UPS. It features the latest DSP technology, which is programmed to suit a wide variety of electrical environments without impending performance. With the 3-Level topology, efficiency, reliability and functionality are elevated to levels unattainable with legacy analog technology. This technology does not only create significant increase in MTBF, but the capability of DSP to accurately process signals at very high speed permits all the UPS subsystems to be controlled with greatly increased precision.



TOWER



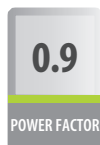
UPS ONLINE



SERVICE /
TECH. SUPPORT



ECO FRIENDLY



0.9

POWER FACTOR



GENERAL SPECIFICATIONS

- Small footprint
- Transformerless UPS topology
- 3 DSP controlled modular structure
- Separate main control board advantage for rectifier and inverter
- 3-Level technology and fully digital structure
- Less electronic components and SMD technology
- Low input current total harmonic distortion (THDi)
- High input power factor
- High efficiency up to 94%
- Selectable input/output voltage/frequency range
- Static and maintenance by-pass switch
- Optional 0.8 and 1.0 output power factor (PF) option
- Cold start function
- Compliant with IEC EN62040 directive
- Conforms to CE, TSE and GOST standards
- ISO9001, ISO14001 compliant production
- Advanced control at the input
- 3 level battery protection
- Temperature compensated charge system
- Output current limitation
- Output DC leakage protection
- Output short circuit and overload protection
- External REPO switch input
- 512 events memory (46.000 alarm)
- Clock and calender (battery supported)
- Automatic battery test, remaining battery time indicator
- 1 RS232 serial port and 3 dry contact outputs
- Optional SNMP, MODBUS and Remote Monitoring Panel
- Viewing device operating parameters
- Advanced remote control features
- User and central service passwords protected security
- 2 years warranty

DS POWER H

10-500kVA / 3:3



INDUSTRY



MEDICAL



DATA CENTER



TRANSPORT



MALLS & FACILITIES

- ▶ 3-Level Technology
- ▶ IGBT Rectifier
- ▶ DSP Control

DS Power H Online UPS uses the latest DSP technology to be programmed to suit a wide variety of electrical environments without impeding its performance. With the 3-Level topology, efficiency, reliability and functionality have been raised to levels unattainable with legacy analog technology. This technology not only creates a significant increase in MTBF, but the DSP's ability to accurately process signals at very high speed allows all UPS subsystems to be controlled with greatly increased precision.



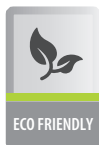
TOWER



UPS ONLINE



SERVICE /
TECH. SUPPORT



ECO FRIENDLY



POWER FACTOR



GENERAL SPECIFICATIONS

- Transformerless UPS topology
- 3 DSP controlled modular structure
- Separate main control board advantage for rectifier and inverter
- 3-Level technology and fully digital structure
- Less electronic components and SMD technology
- Low input current total harmonic distortion (THDi)
- High input power factor
- High efficiency up to 95%
- Selectable input/output voltage/frequency range
- Static and maintenance by-pass switch
- High charge current capacity
- Eco Mode operation (optional)
- Split by-pass input (dual input)
- Advanced TFT front panel
- Optional 0.8 and 1.0 output power factor (PF)
- Cold start function
- Compliant with IEC EN62040 directive
- Conforms to CE, TSE and GOST standards
- ISO9001, ISO14001 compliant production
- Advanced control at the input
- 3 level battery protection
- Output current limitation
- Output DC leakage protection
- External REPO input
- 512 events memory (46.000 alarm)
- Clock and calendar (battery supported)
- Automatic battery test, remaining battery time indicator
- 2 RS232 serial ports and 4 programmable dry contact outputs
- Optional 12 dry contact outputs
- Optional SNMP, MODBUS and Remote Monitoring Panel
- Viewing device operating parameters
- Advanced remote control features
- User and central service password-protected security
- 2 years warranty

DS POWER X

100-400kVA / 3:3



INDUSTRY



MEDICAL



DATA CENTER



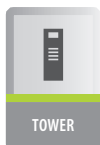
TRANSPORT



MALLS & FACILITIES

- ▶ Output Power Factor (PF) 1.0
- ▶ 3-Level Technology
- ▶ DSP Control

DS Power X Online UPS uses the latest DSP technology, which can be programmed to suit a wide variety of electrical environments without impeding its performance. It stands out with its stylish design, high power density (250KVA in less than 0.5m2 area) and less noisy operation than its counterparts. As a state-of-the-art product, the input and output side have been designed as 3-Level to maximize efficiency, reliability and functionality. This technology not only creates a significant increase in MTBF, but the DSP's ability to accurately process signals at very high speed allows all UPS subsystems to be controlled with greatly increased precision.



TOWER



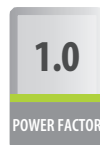
UPS ONLINE



SERVICE /
TECH. SUPPORT



ECO FRIENDLY



POWER FACTOR



GENERAL SPECIFICATIONS

- kVA = kW (Output PF = 1.0)
- Transformerless ups technology
- 3 DSP controlled modular structure
- High power density
- Separate main control board program for rectifier and inverter
- 3-Level rectifier, inverter technology and fully digital structure
- Less electronic components and SMD technology
- Low input current total harmonic distortion (THDi)
- High input power factor
- High efficiency up to 96.0%
- Selectable input/output voltage/frequency/range
- Static and maintenance by-pass switch
- High charge current capacity
- Ecomode operation (optional)
- Split by-pass input (dual input)
- Advanced TFT front panel
- Optional 0.8 and 0.9 output power factor (PF) option
- Cold start function
- ISO9001, ISO14001 compliant production
- Advanced diagnostics for the input
- 3 level battery protection
- Temperature compensated charge system
- Output current limitation
- Output DC leakage protection
- Output short circuit and overload protection
- External REPO input
- 512 events memory (46.000 alarm)
- Clock and calender (battery supported)
- Automatic battery test, remaining battery time indicator
- Static and maintenance by-pass switch
- 2 RS232 serial ports and 4 programmable dry contact outputs
- Optional 12 dry contact outputs
- Optional SNMP, MODBUS and Remote Monitoring Panel
- View device operating parameters
- Advanced remote control features
- 2 years warranty

DS POWER

500-800kVA / 3:3



INDUSTRY



MEDICAL



DATA CENTER



TRANSPORT



MALLS & FACILITIES

- ▶ Transformerless UPS Topology
- ▶ IGBT Rectifier
- ▶ DSP Control

DS Power range UPS uses the latest DSP technology to be programmed to suit a wide variety of electrical environments without impeding its performance. With the DS Power range, efficiency, reliability and functionality are enhanced to levels unattainable with the old analogue technology. This technology does not only create significant increase in MTBF, but the capability of DSP to accurately manipulate signals at very high speed permits all the UPS subsystems to be controlled with greatly increased precision.



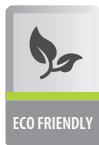
TOWER



UPS ONLINE



SERVICE /
TECH. SUPPORT



ECO FRIENDLY



1.0

POWER FACTOR



GENERAL SPECIFICATIONS

- Low input current total harmonic distortion (THD)
- Output power factor 1.0 for 500-600kVA
- Transformerless UPS topology
- High input power factor
- High efficiency up to 95%
- Cold start function
- Static and maintenance by-pass switch
- Output short circuit and overload protection
- External REPO switch input
- 512 events memory (512 events 45000 alarms)
- Clock and calendar (battery supported)
- Automatic battery test, remaining battery time indicator
- Temperature compensated charge system (optional)
- 2 RS232 serial ports and 12 dry contact outputs
- 3 DSP controlled modular structure
- Optional SNMP and MODBUS adaptors
- Optional graphical panel
- Full digital structure
- Small footprint
- Ecomode operation (optional)
- Fewer electronic components
- Output current limiting
- Advanced diagnostics for the input
- Selectable input/output voltage/frequency/range
- Split by-pass input (second input)
- Output DC leakage protection
- Separate DSP for inverter control
- Separate DSP for the PFC
- 3 level battery protection
- High charge current capacity
- Charge/discharge current indicator
- Advanced remote control features
- Manufactured according to EC Directive; EN62040
- 2 years warranty

DS POWER 300HT

10-500kVA / 3:3



INDUSTRY



MEDICAL



DATA CENTER



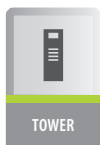
TRANSPORT



MALLS & FACILITIES

- ▶ Inverter Isolation Transformer
- ▶ IGBT Rectifier
- ▶ DSP Control

DS Power 300HT Online UPS uses the latest DSP technology, which can be programmed to suit a wide variety of electrical environments without impeding its performance. With the 3-Level topology, efficiency, reliability and functionality have been raised to levels unattainable with old analog technology. This technology not only creates a significant increase in MTBF, but the DSP's ability to accurately process signals at very high speed allows all UPS subsystems to be controlled with greatly increased precision. Thanks to its built-in inverter isolation transformer, it guarantees safe operation and provides uninterrupted energy for local networks, communication systems, sensitive medical devices, smart engineering measurement devices and industrial automation systems.



TOWER



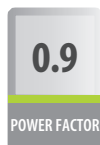
UPS ONLINE



SERVICE /
TECH. SUPPORT



ECO FRIENDLY



0.9

POWER FACTOR



GENERAL SPECIFICATIONS

- Inverter isolation transformer
- 3 DSP controlled modular structure
- Separate main control board advantage for rectifier and inverter
- 3-Level technology and fully digital structure
- Less electronic components and SMD technology
- Low input current total harmonic distortion (THD)
- High input power factor
- High efficiency up to 94%
- Selectable input/output voltage/frequency range
- Static and maintenance by-pass switch
- High charge current capacity
- Eco Mode operation (optional)
- Split by-pass input (dual input)
- Advanced TFT front panel (40-500kVA)
- Cold start function
- Compliant with IEC EN62040 directive
- Conforms to CE, TSE and GOST standards
- ISO9001, ISO14001 compliant production
- Advanced control at the input
- 3 level battery protection
- Temperature compensated charge system
- Output current limitation
- Output DC leakage protection
- Output short circuit and overload protection
- External REPO input
- 512 events memory (46.000 alarm)
- Clock and calender (battery supported)
- Automatic battery test, remaining battery time indicator
- 2 RS232 serial ports and 4 programmable dry contact outputs
- Optional 12 dry contact outputs
- Optional SNMP, MODBUS and Remote Monitoring Panel
- Viewing device operating parameters
- Advanced remote control features
- User and central service password-protected security
- 2 years warranty

MTR MODULAR UPS

10-90kVA / 1-1, 3-1, 3-3 Phase Input - Output



DATA CENTER



TRANSPORT



MALLS & FACILITIES

- Flexible Configuration
- Smart Sleep Function
- Graphic LCD Display

MTR Modular UPS are online devices produced with 3-level and DSP technology that provide low THD with high input power factor designed for sensitive loads. Thanks to its hot-swappable modular structure, it has the flexibility to operate at powers between 10 and 90kVA with a single cabinet. With its rack type design, flexible phase configuration option, high power density, user-friendly interface, smart sleep function, self-aging and smart charge management, it offers a perfect solution especially for data centers.



MODULAR UPS



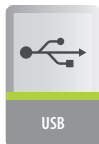
VFI
TYPE

UPS ONLINE



1.0

POWER FACTOR



USB



SERVICE /
TECH. SUPPORT



GENERAL SPECIFICATIONS

Rack modular design

Modular design, compatible with 19" standard rack cabinet, convenient to be integrated with servers

High power density

10/15kVA (10/15kW) power module in 2U height, saving great amount of space, easy for capacity expansion

Integrated solution for data center

UPS can be integrated with battery cabinet, PDU and external maintenance bypass, offering excellent choice for data center

Intelligent charging management

The system intelligently control the whole process of the charging and discharging, effectively improving the life time of the battery

Flexible configuration

The system can be configured to 3/3, 3/1 and 1/1 without derating

Friendly interface

7" touch color LCD with graphic display, more information displayed and easier for customer to operate

Smart sleep function

System can intelligently shutdown some power modules to increase total load rate, achieving higher efficiency

Self-aging mode

Energy internal circle technology, system can run with full load, saving more than 90% energy

MTI200 MODULAR UPS

20-200kVA / 3:3



DATA CENTER



TRANSPORT



MALLS & FACILITIES

- ▶ Hot-swap Battery System
- ▶ Smart Sleep Function
- ▶ Graphic LCD Display

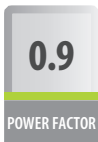
MTI200 Modular UPS are online devices produced with 3-level and DSP technology that provide low THD with high input power factor designed for sensitive loads. Thanks to its hot-swappable modular structure, it has the flexibility to operate at powers between 20 and 200kVA with a single cabinet. Cold start, self-agigg mode using only 10% of its capacity, independent battery charging and smart battery management and advanced graphic touch screen are its outstanding features.



MODULAR UPS



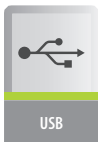
UPS ONLINE



POWER FACTOR



SERVICE /
TECH. SUPPORT



USB



GENERAL SPECIFICATIONS

Modular design

Up to 20 power modules in parallel online hot-swappable N+X redundancy

Independent charger

Independent charger for each module and intelligently control the whole charging process, prolong the life time of the battery

Easy connection access

Top and bottom cable entry connection are supported, more convenient for site installation

Modular design with transformer

Modular UPS up to 60kVA with in-built isolation transformer, meeting different requirement for customers

Battery cold start

UPS can be powered on from the battery without utility

High power density

200kVA with footprints of about 0.5m², saving valuable data center space

Integrated IGBT design

Integrated IGBT in one module, less failure points with higher performance and reliability

Friendly interface

Touch LCD display with abundant information

Independent air channel

Cooling air runs in isolated channel, keeping PCB free of dust

MTI250 MODULAR UPS

25-200kVA / 3:3



DATA CENTER



TRANSPORT



MALLS & FACILITIES

- ▶ High Power Density (2U)
- ▶ Graphic LCD Display
- ▶ kVA=kW

The MTI250 Modular Ups Series Rack Mounted Modular UPS is scalable, hot-swappable, online double conversion. The power capacity is from 25 to 200kVA/kW, it's the ideal choice for modern data center. With the latest IGBT three-level and full DSP control technology, the new MTI250 series delivers the best combination of reliability and flexibility.



MODULAR UPS



VFI
TYPE

UPS ONLINE



1.0

POWER FACTOR



SERVICE /
TECH. SUPPORT



USB



GENERAL SPECIFICATIONS

High Power Density

25kVA power module in 2U height, saving great amount of space, easy for capacity expansion

Rack Modular Design

Module design, compatible with 19" standard rack cabinet, convenient to be integrated with servers

Battery Cold Start

UPS can be powered on from the battery without utility

Friendly Interface

Touch LCD display with abundant information

APPLICATION

IDC (Internet Data Center), network servers and workstation, control system, communication system, office, PC etc

MTI300 MODULAR UPS

30-900kVA / 3:3



DATA CENTER



TRANSPORT



MALLS & FACILITIES

- ▶ Smart Sleep Function
- ▶ Graphic LCD Display
- ▶ DSP Control

MTI300 Modular UPS are online devices produced with 3-level and DSP technology that provide low THD with high input power factor designed for sensitive loads. Thanks to its hot-swappable modular structure, it has the flexibility to operate at powers between 20 and 600kVA with a single cabinet. It offers the most suitable power solutions for large data centers and sensitive electronic devices. Thanks to its parallelizable design, which takes up less space, it provides the opportunity to reach 900kVA in an area of less than 2 m². It stands out with its rack type design, high power density, user-friendly interface, independent LCD for each power module in addition to 10.4 inch graphical touchscreen, smart sleep function, self-aging, and smart charge management.



MODULAR UPS



VFI
TYPE

UPS ONLINE



0.9

POWER FACTOR



SERVICE /
TECH. SUPPORT



USB



GENERAL SPECIFICATIONS

- 3 Level topology
- Modular design with N+X redundancy
- Online hot swapping, by-pass and power module feature
- Optional dual input
- High power density with footprints of less than 2m² up to 900kVA in parallel, 30kVA power module with only 3U height
- High power density of 600kVA in one single cabinet, 30kVA power module with only 3U height
- Green and energy saving: AC/AC efficiency > 95%, input power factor > 0.99 while input THDi < 3%
- Full DSP control of high stability, reliability and safety
- Integrated IGBT module with improved performance and reduced size
- Smart Sleeping mode for energy saving and prolong the life time of the system
- Excellent input performances for complete compatibility with input PF of 99% and wide range of voltage
- Self-Aging mode for full load test with less than 10% of the total power capacity needed
- Optimized battery management, intelligently control the whole process of the charging and discharging, effectively improve the life time of the battery
- Battery cold start, UPS can be powered on from the battery without utility
- Automatically record the critical wave information when fault happens, easy for trouble shooting
- Independent LCD display for each power module with self-starting function
- Programmable dry contacts, the function of each port can be defined by users
- Friendly human machine interface with colorful touch screen of 10.4 inches

MTI500 MODULAR UPS

50-500kVA / 3:3



DATA CENTER



TRANSPORT



MALLS & FACILITIES

- ▶ Smart Sleep Function
- ▶ Graphic LCD Display
- ▶ DSP Control

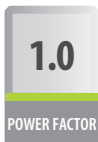
MTI500 Modular UPS are online devices produced with 3-level and DSP technology that provide low THD with high input power factor designed for sensitive loads. Thanks to its hot-swappable modular structure, it has the flexibility to operate at powers between 40 and 500kVA with a single cabinet. It offers the most suitable power solutions for large data centers and sensitive electronic devices. Thanks to its parallelizable design, which takes up less space, it provides the opportunity to reach 1500kVA in an area of less than 4 m². It stands out with its rack type design, high power density, user-friendly interface, independent LCD for each power module in addition to 10.4 inch graphical touchscreen, smart sleep function, self-aging, and smart charge management.



MODULAR UPS



UPS ONLINE



POWER FACTOR



SERVICE /
TECH. SUPPORT



USB



GENERAL SPECIFICATIONS

Compact design

500kVA in one cabinet, footprint less than 1.5m², saving valuable room space

High power density

50kVA power module in 4U height, easy for capacity expansion

High efficiency

Advanced 3-level technology guarantees high efficiency operating in double conversion mode up to 96%

Intelligent charging management

The system intelligently control the whole process of the charging and discharging, effectively improve the life time of the battery.

High scalability

The system can be configured from 50kVA to 500kVA in one single cabinet, 3 units in parallel for a capacity up to 1500kVA

Friendly HMI

10.4" touch color LCD with graphic display, independent LCD for each power module

Smart sleep function

System can intelligently shutdown some power modules to increase total load rate, achieving higher efficiency

XT100

3-15kVA / 1:1



INDUSTRY



MEDICAL



DATA CENTER



TRANSPORT



MALLS & FACILITIES

- Output Isolation Transformer
- Microprocessor Controlled
- IGBT Technology

XT100 Online UPS are microprocessor controlled, full sine output uninterruptible power supplies produced with PWM (Pulse width modulation) and IGBT technologies. It provides uninterrupted energy for local networks, communication systems, sensitive medical devices, smart engineering measuring devices and industrial automation systems by guaranteeing safe operation thanks to its built-in inverter isolation transformer.



TOWER



VFI
TYPE



SERVICE /
TECH. SUPPORT



ECO FRIENDLY



GENERAL SPECIFICATIONS

- Output isolation transformer
- Up to 91% efficiency
- Static by-pass
- LCD front panel
- 64 events memory
- RS232 and relay contacts
- Custom input and output voltage ranges
- SNMP compatible communication
- T-MON remote monitoring software
- Parallel operation
- Manufactured according to EC Directive; EN62040
- 2 years warranty

XT200

6-40kVA / 3:1



INDUSTRY



MEDICAL



DATA CENTER



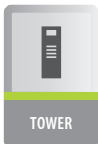
TRANSPORT



MALLS & FACILITIES

- Output Isolation Transformer
- Microprocessor Controlled
- IGBT Technology

XT200 Online UPS are microprocessor controlled, full sine output uninterruptible power supplies produced with PWM (Pulse width modulation) and IGBT technologies. It provides uninterrupted energy for local networks, communication systems, sensitive medical devices, smart engineering measuring devices and industrial automation systems by guaranteeing safe operation thanks to its built-in inverter isolation transformer.

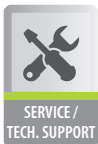


TOWER



VFI
TYPE

UPS ONLINE



SERVICE /
TECH. SUPPORT



ECO FRIENDLY



GENERAL SPECIFICATIONS

- Output isolation transformer
- Up to 90% efficiency
- Static by-pass
- LCD front panel
- 64 events memory
- RS232 and relay contacts
- Custom input and output voltage ranges
- SNMP compatible communication
- T-MON remote monitoring software
- Parallel operation up to 4 devices
- Manufactured according to EC Directive; EN62040
- 2 years warranty

XT300

10-300kVA / 3:3



INDUSTRY



MEDICAL



DATA CENTER



TRANSPORT



MALLS & FACILITIES

- Output Isolation Transformer
- Microprocessor Controlled
- IGBT Technology

XT300 Online UPS are microprocessor controlled, full sine output uninterruptible power supplies produced with PWM (Pulse width modulation) and IGBT technologies. It provides uninterrupted energy for local networks, communication systems, sensitive medical devices, smart engineering measuring devices and industrial automation systems by guaranteeing safe operation thanks to its built-in inverter isolation transformer.



TOWER



VFI
TYPE

UPS ONLINE



SERVICE /
TECH. SUPPORT



ECO FRIENDLY



GENERAL SPECIFICATIONS

- Output isolation transformer
- Up to 92% efficiency
- Static by-pass
- LCD front panel
- 64 events memory (10-80kVA)
- 128 events alarm memory (4000 alarms) (100-300kVA)
- RS232 and relay contacts
- Custom input and output voltage ranges
- SNMP compatible communication
- T-MON remote monitoring software
- Parallel operation up to 4 devices
- High performance at nonlinear loads
- Custom input voltage and frequency ranges
- Manufactured according to EC Directive; EN62040
- 2 years warranty

STS2000

1 phase out, 2 poles static transfer switch



INDUSTRY



MEDICAL



DATA CENTER



TRANSPORT



MALLS & FACILITIES

- Compact and Rack Type Design
- Microprocessor Control
- Optional Hot-Swap

STS2000 1 phase, 2 pole static transfer switch transfers uninterruptedly critical loads to either of two independent AC power lines. The system monitors two AC inputs. If any of them goes out of the specified tolerance, it transfers the critical load to the other. By increasing the energy quality of the systems used with STS 2000, while reducing the effects of interference and short interruptions, a backup power system is gained.



RACK



SERVICE /
TECH. SUPPORT



ECO FRIENDLY



GENERAL SPECIFICATIONS

- Full digital control with microprocessor controlled structure
- 2 AC inputs with 1 phase and neutral switching
- Easy installation and maintenance
- Compact and rack type design
- Wide input voltage range
- "Break Before Make" type transfer
- Very fast uninterrupted transfer even in case of any failure ($\leq 4\text{ms}$ for synchronized sources)
- Selectable preferred source
- Fuse-free construction with a robust, high reliability SCR
- Digitally controlled system set points
- Programmable synchronized and unsynchronized transfers
- Isolation protection between sources with switched neutral
- Convenient and multifunctional front panel and diagnostic codes
- Transfer inhibit system over a certain current value
- Overload, over temperature and short circuit protections
- Convenience during maintenance and repair with Isolated Maintenance Bypass
- Remote monitoring of energy resources
- TCP / IP, SNMP, MODBUS and RS232 infrastructure for communication
- Dry-contact interface
- Internal cooling fans
- Hot-swap feature (Optional)
- Optional external AC power supply socket outlet
- Optional SNMP adaptor

STS3000-4000

3 phase out, 3&4 poles static transfer switch



INDUSTRY



MEDICAL



DATA CENTER



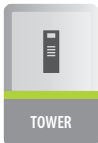
TRANSPORT



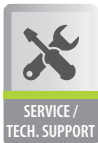
MALLS & FACILITIES

- Very Fast Uninterrupted Transfer
- Advanced Communication
- Microprocessor Control

STS3000-4000 3 phase, 3&4 pole static transfer switch transfers uninterruptedly critical loads to either of two independent AC power lines. The system monitors two AC inputs. If any of them goes out of the specified tolerance, it transfers the critical load to the other. By increasing the energy quality of the systems used with STS3000-4000, while reducing the effects of interference and short interruptions, a backup power system is gained.



TOWER



SERVICE /
TECH. SUPPORT



ECO FRIENDLY



GENERAL SPECIFICATIONS

- Full digital control with microprocessor controlled structure
- 2 AC inputs with 3 phase and neutral switching
- Easy installation and maintenance
- Compact design
- Wide input voltage range
- "Break Before Make" type transfer
- Very fast uninterrupted transfer even in case of any failure ($\leq 4\text{ms}$ - for synchronized sources)
- Selectable preferred source
- Fuse-free construction with a robust, high reliability SCR
- Digitally controlled system set points
- Programmable synchronized and unsynchronized transfers
- Isolation protection between sources with switched neutral
- Convenient and multifunctional front panel and diagnostic codes
- Transfer inhibit system over a certain current value
- Overload, over temperature and short circuit protections
- Convenience during maintenance and repair with Isolated Maintenance Bypass
- Remote monitoring of energy resources
- TCP / IP, SNMP, MODBUS and RS232 infrastructure for communication
- Dry-contact interface
- Internal cooling fans
- Optional external AC power supply socket outlet
- Optional SNMP adaptor

www.tescom-ups.com / international@tescom-ups.com

