



3 phase in / 3 phase out

600 kVA

DS POWER 300T SERIES

UNINTERRUPTIBLE POWER SUPPLIES

IGBT RECTIFIER DSP CONTROL

The new 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.

GENERAL SPECIFICATIONS

- Galvanic isolation at output
- Low input current total harmonic distortion (THD)
- High input power factor
- High efficiency up to 94%
- 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
- Optional USB flash memory
- 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
- Manufactured according to EC Directive; EN62040
- 10 years spare parts support
- 2 years warranty



CE



600 kVA

TECHNICAL SPECIFICATIONS

MODEL		DS3600T
Power (kVA)		600
INPUT		
Voltage	380/400 VAC 3P + N + G ± 20% (415 VAC +15%, - 25% optional)	
Frequency	50Hz / 60Hz, ± 5%	
Power factor	≥ 0.99	
(THDI) (*)	≤ 3%	
By-pass voltage	380/400 VAC 3 Phase + N , 4 Wires, ± 10%	
Voltage distortion	≤ 10%	
Protection	Fuses, Voltage & Frequency tolerance, Input power limit, Phase sequence indicator	
OUTPUT		
Power (kW)	540	
Power factor	0,9	
Voltage	380/400 VAC 3 P + N , ± 1% (415 VAC optional)	
Frequency	50Hz / 60Hz	
Frequency tolerance	Line synchronized: ± 2% / Free running: ± 0,1%	
Efficiency	up to 94%	
Crest factor	3:1	
Overload protection	100% - 125% load: 10 min, 125% - 150% load: 1 min, - > 150% load: by pass	
Other protections	Advanced short circuit, Voltage tolerance, DC balance, Regenerative load, Current limiting	
Voltage THD	< 3% (at 100% linear load)	
BATTERIES		
Type	VRLA AGM / GEL / NiCd	
Nominal voltage	± 336 VDC (2x28 batts)	
Float / End of discharge voltage	± 378 VDC / ± 280 VDC	
Battery cabinet	External	
Battery ambient temperature	25°C	
Protections	3 level alarms, Battery fuses, Charging current limit, Temperature compensation (optional)	
Automatic testing	Standard every 72 hours (adjustable)	
GENERAL		
Standards	EN62040-1, EN62040-2, EN62040-3	
User interface	Colored TFT panel, 5 vector buttons, Buzzer,	
Indicators	P-N voltage, P-P voltage, Current, Power, Crest Factor, Frequency, PF, Service Time	
Advanced	Self diagnostics, 3 maintenance time indicators, Calibration over RS232, operating hour meter	
Communication	2xRS232 serial ports, 4 standard and 8 optional DRY contact alarm relays	
Inputs	EPO input, Interactive battery panel input, Genset input	
Genset kit	Standard (programmable)	
Software	Standard T-Mon UPS Management Software (3 clients + 1 server management)	
Alarm logging	Standard:with time & date 512 events	
Protections	Power module over-temperature, Over current, Temperature high alarm	
Temperature range	0°C - 40°C	
Protection degree	IP20	
Relative humidity	90% max. (non-condensing)	
Altitude	< 1000m above sea level	
Acoustic noise	< 72 dBA	
Net weight (kg)	2800	
Dimensions (mm) HxWxD	1900x3055x1050	
OPTIONS		
Different input / output voltage	Please ask	
Software	T-Mon Admin Multi UPS monitoring 10-50-100-200 clients, T-Mon Server 50-100-200 clients	
Adaptors	SNMP, RS485, Remote monitoring panel, MODBUS (RS485 or TCP/IP), USB Alarm Logger, TCP/IP ,GSM/GPRS Modem, Comport multiplexer	
Parallel operation	up to 8 units	

(*) Depending on power and input/output conditions