

# ***DLT STS 300 SERIE***

## ***STATIC TRANSFER SWITCH 50 - 600 A***

Delta STS 3000 and 4000, allows instantaneous transfer of power sources to the load. If one power source fails, the STS switches to the back-up power source so fast that the load never recognizes the transfer made.



## ***True On-line Static Transfer Switch Triphase***

### ***Technical Specifications***

- Increased power quality
- Increased noise reduction
- Power blackout protection
- Power redundancy
- Automatic static switching
- Remote monitoring input power sources
- Easy static and mechanical transfer to input sources
- Remote management the power events
- Power event logging
- Output current capability up to %1000 for short time
- 2 years warranty



## Specifications

| MODEL                   | STS3100                                                                                  | STS3150 | STS3200      | STS3250 | STS3300 | STS3400 |
|-------------------------|------------------------------------------------------------------------------------------|---------|--------------|---------|---------|---------|
| Voltage                 | 230/400 Vac 4 wires + earth                                                              |         |              |         |         |         |
| Error window            | Voltage error window and blackout time adjustable                                        |         |              |         |         |         |
| Frequency               | 50 Hz or 60 Hz, +/- %-5 (adjustable error window)                                        |         |              |         |         |         |
| Voltage distortion      | < %10                                                                                    |         |              |         |         |         |
| Phase balance sense     | Available adjustable                                                                     |         |              |         |         |         |
| Backfeed protection     | Available                                                                                |         |              |         |         |         |
| Overcurrent protection  | 2 MCCB's according to overload current values                                            |         |              |         |         |         |
| OUTPUT                  |                                                                                          |         |              |         |         |         |
| Current                 | 100A                                                                                     | 150 A   | 200 A        | 250 A   | 300 A   | 400 A   |
| Voltage / frequency     | 230/400 Vac 4 wires + earth - 50 Hz or 60 Hz, +/- %-5                                    |         |              |         |         |         |
| Overcurrent inhibit     | Available                                                                                |         |              |         |         |         |
| Load crest factor       | upto 3.5                                                                                 |         |              |         |         |         |
| Protection              | SCR protection and overcurrent protection available / Short circuit protection available |         |              |         |         |         |
| AC/AC efficiency        | > %98                                                                                    |         |              |         |         |         |
| Load PF range           | 0.6 lag to 0.9 lead                                                                      |         |              |         |         |         |
| Output CB switch        | Available                                                                                |         |              |         |         |         |
| GENERAL                 |                                                                                          |         |              |         |         |         |
| Type of transfer        | break before make                                                                        |         |              |         |         |         |
| Transfer time           | 5 msec within CBEMA & IEEE for synchronized sources – 11 msec for unsynchronized sources |         |              |         |         |         |
| Overload                | 150% for 15 min, 1000% for 40 msec                                                       |         |              |         |         |         |
| Cooling                 | two fans(reduntant)                                                                      |         |              |         |         |         |
| Standards               | EN5009 colspan=71-2 class A ISO9001                                                      |         |              |         |         |         |
| Temperature sensor      | Cabinet inside temperature / Heatsink temperature available                              |         |              |         |         |         |
| Ambient temperature     | 0 - 40 °C                                                                                |         |              |         |         |         |
| Humidity                | 0 - 95%(non condensed)                                                                   |         |              |         |         |         |
| Dimensions(HxWxD)       | 685x530x1500                                                                             |         | 685x580x1770 |         |         |         |
| ADVANCED FEATURES       |                                                                                          |         |              |         |         |         |
| Human interface         | 2 Lines 16 characters LCD display . lamp mimic panel , 5 control buttons                 |         |              |         |         |         |
| Alarm history logging   | Available (128 events or 4000 alarms) with time and date                                 |         |              |         |         |         |
| Real time clock         | Available                                                                                |         |              |         |         |         |
| Password protection     | User and service passwords                                                               |         |              |         |         |         |
| Advanced RS232          | Available (2400 baud,no parity,1 stop bit,3 wires) interactive                           |         |              |         |         |         |
| RS232 security          | Enable/Disable from front panel and password protection (timed access)                   |         |              |         |         |         |
| DRY contacts            | 7 dry contact outputs (4 user programmable)                                              |         |              |         |         |         |
| Monitoring software     | Available                                                                                |         |              |         |         |         |
| Remote settings         | Available                                                                                |         |              |         |         |         |
| REPO switch             | Available                                                                                |         |              |         |         |         |
| Maintenance switch      | Available (3 position)                                                                   |         |              |         |         |         |
| Power supply            | Hot swap 2 redundant power supplies                                                      |         |              |         |         |         |
| OPTIONS                 |                                                                                          |         |              |         |         |         |
| TCP/IP connection       | Available as option                                                                      |         |              |         |         |         |
| MODBUS adaptor          | Available as option                                                                      |         |              |         |         |         |
| RS232 multiplexer       | Available as option (2 RS232 serial ports)                                               |         |              |         |         |         |
| Internal resistive load | Available as option                                                                      |         |              |         |         |         |

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