



HIGH
EFFICIENCY



CLEAN
ENERGY



ECO-FRIENDLY
TECHNOLOGY



ALL DEVICES
COMPATIBLE



- ✓ Smart Control with DSP Technology
- ✓ Thyristor Controlled Switching
- ✓ Automatic and Manual Transfer
- ✓ Seamless Transition
- ✓ Adjustable Box Contacts
- ✓ ModBus Protocol - RS232, RS485
- ✓ Retransmission Delay Prevention
- ✓ Auto Start and Failure Recovery
- ✓ Intelligent Diagnostics
- ✓ System Measurements (Voltage, Current, Frequency etc.)
- ✓ Visual and Audible Alarms
- ✓ AC Failure, Over Temperature and Short Circuit Protection

- ✓ DSP Teknolojisi ile Akıllı Kontrol
- ✓ Tristör Kontrollü Anahtarlama
- ✓ Otomatik ve Manuel Transfer
- ✓ Kesintisiz Geçiş
- ✓ Ayarlanabilir Kutu Kontaklar
- ✓ ModBus Protokolü - RS232, RS485
- ✓ Yeniden Aktarma Gecikmesi Engelleme
- ✓ Otomatik Başlatma ve Arıza Kurtarma
- ✓ Akıllı Hata Teşhisi
- ✓ Sistem Ölçümleri (Gerilim, Akım, Frekans vb.)
- ✓ Görsel ve Sesli Alarmlar
- ✓ AC Arızası, Aşırı Sıcaklık ve Kısa Devre Koruması

Technical Specifications

STS (1 Phase)

STS

Model	STS1016	STS1032	STS1050	STS1063	STS1100	STS1150
Current (Nominal)	16A	32A	50A	63A	100A	150A
Voltage (Ph Ph)	110/127/208/220/230/240/265VAC 1Ph + N + PE					
Voltage Range	±20% (Transfer When Out Of Range)					
Frequency	50/60Hz					
Frequency Range	45-65Hz (Transfer When Out Of Range, Adjustable)					
Efficiency	>99%					
Transfer Type	Break Before Make					
Transfer Options	Automatic / Manual / Remote					
Transfer Time	<4ms (Sync) & ~ 10ms (Unsync)					
Switching Topology	1 Kutuplu (W/O Neutral Breaking) veya 2 Kutuplu (W Neutral Breaking)					
Crest Factor	3:1					
Overload	100-110% continuous / 100 125% 10mins / 125% 150% 1min / 150 200% 10sec / >200% 250msec					
Protections	Overload, Short Curcuit, Over Temperature, Backfeed, SCR Fault Alarm, Unsync Protection, Bypass Protection Interlock					
Communication	RS232, Dry Contact (Standard) RS485, TCP/IP (Optional), SNMP (Optional)					

ENVIRONMENTAL

Cooling	Natural Cooling					
Operational Temperature	0°C - 50°C					
Storage Temperature	-10°C - 70°C					
Relative Humidity	<90% (Non-Condensing)					
Ingress Protection	IP20, IP21 (Standard), IP66 (Optional)					
Standards	EN62310-1, EN62310-2, EN62310-3					

MECHANICAL

Net Weight (kg) [kg]	3	6	6	8	Advise to Necron	
Dimensions (WxDxH) [mm]	19', 1U		19', 2U		500x450x1000mm	
Alternative Dimension	19', 2U / WM		19', 5U / WM			Advise to Necron