

100-600 kVA



SL33 HIP Version through the dual evolution on-line technology and IGBT –DSP control provides high protection and efficiency. Producing in IT and industrial load high quality and reliable energy. This series has been designed using a new configuration that an IGBT sine wave input rectifier.

- High input power factor 0,99
- Low input current harmonics distortion (THDI)< 3%
- Inverter output galvanic isolation transformer
- High efficiency up to 98,5%
- Feature of battery start up
- Static and service by-pass feature
- Overload and short-circuit protection system
- Regenerative load feature
- Calendar and clock
- Advanced automatic battery test system
- Heat compensated battery charging system
- Modem setting for dial-up connection
- RS232 and dry contact interface for remote monitoring
- 3 DSP controlled modular construction
- Isolation transformer option at input and output by the application
- SNMP-compliant communication option
- MODBUS-compliant communication option
- Compliance with international standards (EC directive; EN 62040)
- 2 year full warranty and 10-year spare part warranty
- Production with CE, TSE, ISO9001 and ISO14001 quality assurance system
- Digital control construction
- Minimum space occupying
- Economic operation(ECOMODE)
- Minimum electronic component
- Output current limitation
- Advanced diagnostics
- Selectable input/output voltage and frequency
- Secondary voltage source input
- Output DC leakage protection
- Separate DSP use for inverter
- 3 stage battery protection
- High-charging capacity
- Charging / discharging current indicator
- Advanced remote monitoring options

SLD33 HIP UPS (IGBT) 3 Phase input/3 Phase output

SL 33 HIP SERIES 3 PHASE INPUT - 3 PHASE OUTPUT UPS										
MODEL	SL 33 HIP - 100	SL 33 HIP - 120	SL 33 HIP - 160	SL 33 HIP - 200	SL 33 HIP - 250	SL 33 HIP - 300	SL 33 HIP - 400	SL 33 HIP - 500	SL 33 HIP - 600	
POWER (kVA)	100	120	160	200	250	300	400	500	600	
INPUT										
Voltage tolerance	380 VAC (400 / 415 VAC adjustable) 3 Phase +N									
Voltage tolerance	+ %20 - %25									
Frequence	45 - 65 Hz									
Frequence tolerance	± 2% (from ± 1% to ± 5%adjustable)									
Power factor	> 0.99									
Input	141	169	226	281	352	423	564	702	842	
Input THDi (Current Harmonic Distortion)	< %3									
Soft Start	%0 load to %100 load 30 s (adjustable)									
OUTPUT										
Power (kW)	90	108	144	180	225	270	360	450	540	
Power Factor	0.9									
Voltage	380 - 400 - 415 VAC 3 FAZ + N , ± %1									
Frequency	50 Hz / 60 Hz									
Frequency tolerance	Synchronous network +/- %1 (Self-employment: +/- % 0.05)									
Efficiency	> %95									
Crest factor	3:1									
Over load protection	%110 load for 60 mins. 110% for 60'; 125% for 10'; 150% for 1'									
	%125 load for 10 mins.									
	%150 load for 1 min.									
	%200 load for 7 sec.									
Vthd	Linear load< %1, non-Linear load: < %3									
BATTERY										
Type	Full closed dry type - maintenance free									
Number of Batteries	40									
Charge Voltage	540 VDC									
End of discharge voltage	400 VDC									
Operating temperature	< 25 °C									
GENERAL										
Interface	2x16 character LCD panel									
Comunication	Dry contact and RS232									
Software	Competable with Windows									
High Temperature Protection	Elektronik high temperature protection									
Operating temperature range	0-40 °C									
Protection class	IP20									
Security and Standards	EN 62040-1-1 (directive 2006/95/EC); EMC: EN 62040-2 (directive 2004/108/EC)									
Smart mode efficiency	> %98									
Humidity (Condensing)	%0 - %90									
Max Operating Height	< 1000 m									
Noice level	< 63 dBA			< 70 dBA				< 72 dBA		
Output transformer	Galvanic isolation transformer									
Parallel operating	3+1 system (N+1 redundant, reduntant, simetrik paralel)									
Weight (non battery) (kg)	656	700	800	910	1000	1400	1700	2100	2700	
Dimension (G x D x Y) mm	800x850x1900		1000x850x1900			1500x1000x1900		2100x1000x1900		
OPTIONS										
Output power factor	1 (kva=kw)									
Parallel working	3+1 Sistem (N+1 redundant, paralel)									
Adaptors	SNMP, MODBUS, RS485, Uzaktan izleme paneli									