

# DEFENDER SFC-L SERIES

## Defender SFC-L Series Static Frequency Converters

### 3 Phase Input & 3 Phase Output 10kVA to 300 KVA

- Micro Processor Controlled
- Static IGBT-PWM inverter
- Efficiency > %90
- Clear Sinusoidal Waveform
- Galvanic Isolated Transformer
- Emergency Stop Button
- Isolated RS485 Communication Contact
- Warning Memory with last 50 events
- LCD panel, 4 rows by 20 characters
- Output Power Factor: 0.8 Ind.- 0.8 Cap.
- Input Power Factor: > 0,90 (>0,98 optional)
- Input Current THD: < %8 (<%5 optional)
- By Soft Start compliant with generator

#### OPTIONS

- Operating with the batteries
- External By-Pass
- Various IP protection classes for cabinet
- Anti Condensation Unit
- 90 Degrees Door Stopper
- Remote Panel for remote monitoring and control
- SNMP Card (for Internet Management)
- Dry-Contacts
- Extra Analog-Digital multi-meters
- Earth leakage measuring
- 28.5VDC Starter Rectifier
- Redundant Inverter features



#### STANDARDS

Operation	S1 according to VDE 0530 ( Continuous Operation)
EMC	MIL-STD-461-E / EN 62040-2 / EN 61000-4-2 / EN 61000-4-4 / EN 61000-4-6
Safety	EN 62040-1-1
Grounding	MIL-STD-1310-G
Short Circuit and Transient	VDE0610
Parallel Operation and Load Sharing	MIL-F-24638
Acoustic Noise	STANAG 4293
Electronic Printed Boards	MIL-P-55110E
Vibration	MIL-STD-167-1 ( For Naval Applications)
Input Values	STANAG 1008 (Ed.9) ( For Naval Applications)
Output Values	MIL-STD-1399 (300A) ( For Naval Applications)
Circuit Breakers Connection Points	TS EN 60947
Protection Class	IES 60529