

DEFENDER SFC-H SERIES

Defender SFC-H Series Static Frequency Converters

3 Phase Input & 3 Phase Output 10kVA to 200 kVA

- IGBT Rectifier
- Double conversion Technology
- Real Digital Signal Processor (DSP) Controlled
- Galvanic Isolation
- High Efficiency
- Wide Input Voltage Range
- User Friendly Front Panel (LED & LCD)
- History Log Events, Calendar and Time Indicators,
- High Performance at Non-linear Loads,
- Remote Monitoring via Network,
- SNMP Compatibility,
- Different Voltage and Frequency Applications
- Low Installation and Operating Cost,



Defender SFC-H Series Frequency Converters Technical Specifications

MODEL	SFC-H 3310	SFC-H 3315	SFC-H 3320	SFC-H 3330	SFC-H 3340	SFC-H 3360	SFC-H 3380	SFC-H 33100	SFC-H 33120	SFC-H 33160	SFC-H 33200	
Output Power (kVA)	10	15	20	30	40	60	80	100	120	160	200	
Nominal Active Power (kW)	8	12	16	24	32	48	64	80	96	128	160	
INPUT												
Number Of Phases	3Phase											
Nominal Voltage (Ph-Ph)	380/400VAC											
Voltage Range (100% Load)	±10%											
Nominal Frequency (Hz)	50/60 Hz											
Frequency Range	±5%											
OUTPUT												
Power Factor	0,8											
Number Of Phases	3											
Voltage	According to the customer requirements											
Static Voltage Regulation	1%											
THD-V	<3% at linear load											
Crest Factor	3:1											
Frequency (Hz)	50 / 60 / 400 Hz											
Free Running Frequency (Hz)	±0.2%											
Overload	125% for 10 minutes, 150% for 30 secs											
BATTERY												
Type	Maintenance Free Dry Type											
Quantity	2x31								2x30			
Battery Protection	Deep Discharge Protection with Auto Cut Off											
Battery Test	Standard (Auto&Manual)											
DISPLAY												
LED Display	Line, Bypass, Battery, Inverter, Load, Fault Indications											
LCD Display	Load%, Input&Output Frequency, Voltage & Current, Bypass Voltage, Battery Voltage & Current, Temperature, Alarms, Histo											
STATIC BYPASS												
Number Of Phases	3Phase+N+E											
Voltage Range For Bypass	175-253 VAC											
Frequency Range For Bypass	47-53 Hz or 57-63 Hz											
COMMUNICATION												
Interface (Communication Ports)	RS 232											
Dry Contact Signals	Optional											
Others	SNMP Optional											
ENVIRONMENT												
Storage Temperature Range (°C)	Without Batteries -25 +55 C (15 to 40 recommended for longer battery life time)											
Operating Temperature Range (°C)	0-40 C (20 to 25 recommended for longer battery life time)											
Relative Humidity	0-95 % (non-condensing)											
Max. Altitude	1000 m											
Protection Level	IP 20											
PHYSICAL SPECIFICATIONS												
Dimensions W*D*H (cm)	Can be change according to the customer requirements											
Weight (kg)	Can be change according to the customer requirements											

