

DEFENDER DSP-T SERIES

Online "Double Conversion" Technology, IGBT Rectifier UPS with Built in Isolation Transformer
3 Phase Input & 3 Phase Output 10kVA to 250kVA

- IGBT Rectifier
- Real Digital Signal Processor (DSP) controlled
- Built in Output Isolation Transformer
- Input Power Factor Correction PFC(>0,99)
- Low Total Harmonic Distortion Level
- High Efficiency (up to 95%)
- Wide Input Voltage Range
- Generator Compatible Operation
- ECO Mode Feature
- Intelligent battery management system extends the lifetime of batteries
- Static and Manual Bypass
- Communication with computers and network systems with SNMP availability
- Expandable battery blocks
- Low installation and operating costs
- Special voltage applications other than stated values



Defender DSP-T Series Technical Specifications

MODEL	Defender DSP-T 3310	Defender DSP-T 3315	Defender DSP-T 3320	Defender DSP-T 3330	Defender DSP-T 3340	Defender DSP-T 3345	Defender DSP-T 3360	Defender DSP-T 3380	Defender DSP-T 33100	Defender DSP-T 33120	Defender DSP-T 33160	Defender DSP-T 33200	Defender DSP-T 33250
Output Power (kVA)	10	15	20	30	40	45	60	80	100	120	160	200	250
Nominal Active Power (kW)	8	12	16	24	32	36	48	64	80	96	128	160	200
INPUT													
Number Of Phases	3Phase+N+E												
Nominal Voltage (Ph-Ph)	380/400/415VAC												
Voltage Range (100% Load)	176-280 VAC												
Nominal Frequency (Hz)	50/60 Hz												
Frequency Range	44-66 HZ												
Input Current THD	<4%						<5%						
Input Power Factor	0.99												
OUTPUT													
Power Factor	0.8												
Number Of Phases	3												
Voltage	380/400/415												
Static Voltage Regulation	1%												
THD-V	<3%												
Crest Factor	3:1												
Frequency (Hz)	50 / 60 Hz												
Free Running Frequency (Hz)	0.01 Hz												
Overload	125% for 10 minutes, 150% for 30 secs												
Efficiency	>94%												
BATTERY													
Type	Maintenance Free Dry Type												
Quantity	2x3l						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, Temperatur												
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													
Weight (kg)	250	260	260	290	410	420	465	540	615	640	1015	1100	1360
STANDARDS													
Standards	CE												

