

DEFENDER SERIES

3/1 PHASE, ON - LINE Double Conversion TECHNOLOGY / 10 KVA. – 20 KVA.

- * DSP Processor Technology
- * High Frequency true double conversion Technology
- * Input PFC Property
- * Output Power Factor 0,9
- * Selectable Battery Voltage; 192/240 Vdc.
- * From LCD 2 Selectable Battery End Working Voltage (EOD)
- * 3/1 PHASE LINE 1/1 PHASE Runability Feature
- * Wide Input Voltage Interval Feature; 110- 300 Vac.
- * Battery Start (Cold Start) Feature
- * Sıfır transfer zamanı Özelliği
- * Energy saving thanks to ECO Mode Feature
- * Intelligent Battery Management Feature (ABM)
- * Compatible with generator Generator
- * Battery Charging feature when UPS is Off
- * Self-controlled Fan speed feature
- * Standard RS 232 Communication
- * RS 485 / SNMP / AS400 / USB Communication Outputs (Optional)
- * Emergency Stop (EPO) Feature (Optional)
- * Manual BYPASS Feature (Optional)
- * N + 1 Parallel Operation Feature (Optional)
- * Extra Battery Connectivity (Optional)
- * Electromagnetic Compatibility / CE CERTIFICATE



* TEKNİK ÖZELLİKLER



MODEL	SCN-DFN 3110	SCN-DFN 3120L
Power (VA.)	10 KVA.	20 KVA.
Power (W.)	9 KW	18 KW.
INPUT		
Voltage	3/1 ; 360 Vac. / 380 Vac. / 400 Vac. / 415 Vac. 1/1 ; 208 Vac. / 220 Vac. / 230 Vac. / 240 Vac. Voltages Adjustable from LCD Panel	
Voltage Range	3/1; 50% Load (190-520) ± 5Vac, 100% Load (277-520) ± 5Vac. 1/1; 50% Load (110-300) ± 5Vac, 100% Load (160-300) ± 5Vac.	
Frequency	40-70 Hz. ± 0.5% (Auto Detection)	
Input Power Factor	3/1 ; ≥ 0,95, 1/1 ; ≥ 0,99	
BYPASS		
Bypass Voltage Range	160Vac. - Nominal Output Voltage + 32 Vac.	
Frequency	50/60 Hz. ± 5Hz.	
OUTPUT		
Voltage	208 Vac. / 220 Vac. / 230 Vac. / 240 Vac. – LCD Panelden seçilebilir	
Voltage Regulation	± % 1	
Frequency	Synchronous with mains; 50/60 Hz when operating from battery. ± 0.2 Hz.	
Wave Shape	Full Sinus	
Crest Factor	3:1	
Harmonic Distortion	Linear Load ≤ 2%; Non Linear Load ≤ 5%	
Transfer Time	The mains battery mode; 0 ms Inverter bypass mode: 0 ms	
Overload Capacity	% 105 -% 125 3 min in load. 125-150% Load 30 sec. > 150% Load at 100 ms.	
EFFICIENCY		
NETWORK OPERATION	≥ %93	
BATTERY WORK	≥ %92	
ECO MODE	≥ %98	
BATTERY		
Battery Voltage	192 Vdc. / 240 Vdc. The desired value can be selected with the jumper	
Battery Unit / Model	16*12V.9 Ah	without batteries
Battery Charging Current (Standard Model)	1 Amp.	without batteries
Battery Charging Current (Long Term Model)	Not available.	7 Amp.
Battery Charge Time	Reaches 90% capacity in 8 hours	
ALARMS		
Battery Low	Sound warning / 4 sec.	
Overload	Audible warning - twice / 1 sec.	
UPS General Error	Long warning sound warning	
ENVIRONMENT / COMMUNICATION / STANDARDS		
Working Temperature / Humidity	0 °C- 40 °C %20-%90 (Yoğunlaşmasız)	
Audible Noise	≤ 58 Db (1 meter distance)	≤ 60 Db (1 meter distance)
Standar RS 232 / Opsiyonel USB	Windows98/2000/2003/xp/vista/2008/7/8	
Opsiyonel SNMP	Power management from SNMP Manager and web browser	
STANDARTLAR	TS EN ISO 9001: 2008, TS EN ISO 14001:2004, OHSAS 18001:2007, GOST, CE EN 62040-1: 2008 (LVD), EN 62040-2: 2006 (EMC)	
DIMENSIONS		
Dimensions (GxDxY)	262*580*732	262*580*628
Weight (Kg)	74	40