

SAVER DSP SERIES SPECIFICATIONS

TYPE	SD1103	SD1105	SD1100	SD1107	SD1110
Power	3	5	6	7.5	10
INPUT					
Nominal Voltage	220 V				
Minimum Voltage	80 V				
Minimum Voltage (at full load)	150 V				176 V
Maximum Voltage	280 V				
Frequency	45-65 Hz				
Power Factor	>98%				
Input Current Harmonics	<6%				
OUTPUT					
Nominal Voltage	220 v (adjustable)				
Wave Form	Sinus				
Total Harmonic Distortion	<2%				
Frequency	50 Hz or 60 Hz (adjustable)				
Frequency Tolerance (line synchronized)	0.005%%				
Voltage Regulation (Static)	1%				
Crest Factor	3				
Overload (on mains)	> 30 s (at 150 % load)				
Overbad (on battery)	> 30 s (at 150 % load)				
Total Efficiency	>91%				
Greenmode efficiency	>97%				
BATTERY					
Type	Maintenance Free Dry Type				
Number of Batteries	14	20			24
Back up time (at nominal load)	Internal up to 35 minutes	Internal up to 22 minutes	Internal up to 15 minutes	Internal up to 10 minutes	External
Recharging Time	< 4h / 6h				
Discharge Current Wave	< 10 %				
Others	Heat compensated battery charging artificial Intelligence based capacity Cut off voltage according to Changing Load Battery bar independent of load				
BY-PASS					
Voltage Tolerance	10 % (adjustable)				
Frequency Tolerance	3 Hz (adjustable)				
Transfer Time	0 ms				
PROTECTION					
Overload Protection	Bypass transfer time is calculated by simulating a temperature related model of a fuse Acts as the ideal current source during the short circuit time Against Excessive (Heat, Voltage, Current) Intense Battery discharge				
Short Circuit Protection					
Other Protection					
COMMUNICATION INTERFACE					
RS 232	Insulated according to EN60950				
Free Contact	Insulated according to EN60950				