

TOWER MODEL	SD 1103	SD1105	SD1106	SD1107	SD1110
19" RACK MOUNT MODEL	RMSD 1103	RMSD 1105	RMSD 1106		
Power(kVA)	3	5	6	7,5	10
<b>INPUT</b>					
Nominal Voltage	220 V / 230 V				
Minumum Voltage	80 V				
Minumum Voltage (at full load)	160V				
Maximum Voltage	280 V				
Frequency	45 - 65 Hz.				
Power Factor	>0.99				
Input Current Harmonics	< 6 %				
<b>OUTPUT</b>					
Power Factor	0.7				
Nominal Voltage	220 V / 230 V (adjustable)				
Nominal Current	13,6 A	23 A	27 A	34 A	45,5A
Wave Form	Pure Sine Wave				
Total Harmonic Distortion					
At 100% Linear Load	< 2,5 %				
At 100% Non - Linear Load	< 3,6 %				
Frequency	50 or 60 Hz. (adjustable)				
Frequency Tolerance (line-synchronized)	0,005 %				
Static Voltage Regulation(0-100% Load)	< 1 %				
Crest Factor	3				
Overload(On Mains)(150% Overload)	63 Sec			35 Sec	49 Sec
Overload(On Battery)(150% Overload)	63 Sec			35 Sec	49 Sec
Total Efficiency	> 91,5 %				
Greenmode Efficiency	> 97 %				
<b>BATTERY</b>					
Type	Maintenance-free lead acid batteries				
Quantity (pcs)	14	20			
Back Up Time (At Nominal Load)	Internal up to 25 min at tower model	Internal up to 22 min at tower model	Internal up to 15 min at tower model	Internal up to 10 min at tower model	Internal up to 9 min at tower model
Recharging Time	< 4h / 8 h				
Discharge Current Wave	< 10%				
<b>DISPLAY</b>					
LED Panel	Line, Bypass, Battery, Inverter, Overload, Fault Indicators				
LCD Panel	Load%, Battery Temperature, Input&Output&Battery Voltages, Output Frequency				
STATIC BY-PASS					
Voltage Tolerance	10 % (adjustable)				
Frequency Tolerance	3 Hz.(adjustable)				
Transfer Time	0ms				
<b>PROTECTION</b>					
Overload Protection	Bypass transfer time is calculated by simulating a temperature related model of a fuse				

Short Circuit Protection	Acts as the ideal current source during the short circuit time	
Other Protection	Against excessive (heat, voltage, current) intense battery discharge	
COMMUNICATION		
Interface (Communication Ports)	RS232	
Dry Contact Signals	UPS Shutdown, mains failure, low battery, by-pass active, summary alarm	
ENVIRONMENT		
Operating Temperature	0 °C ..... +40 °C	
Storage Temperature	-15 °C ..... +55 °C	
Proposed Temp. Extend Battery Life	20 - 25 °C	
Humidity	< 95 %	
Audible Noise at 1m	< 50dB	< 55dB
Protection Class	IP 20	
PHYSICAL SPECIFICATIONS		