

# Saver Plus DSP Series

Uninterruptible Power Systems  
On-Line "Double Conversion" Technology  
3 phase in 1 phase out 10 to 20 kVA



- On-line 'double conversion' technology
- Real Digital Signal Processor (DSP) controlled, IGBT technology
- Wide input voltage range (140V-480V)
- Input Power Factor Correction PFC (>0,97)
- Intelligent Battery Management System extends the life time of batteries
- Transformerless Design
- Small Dimensions
- Artificial intelligence algorithms to improve reliability and technical performance
- Manual Bypass
- LCD display
- RS 232 and relay interface
- Management and monitoring software available for all operating systems and SNMP support

## Accessories

### Communication

- Relay Interface Board
- Remote Monitoring Panel & 25m cable For Remote Panel
- UPSMAN (Management Software)
- Multiserver Shutdown Licence
- External Adapter
  - SNMP Adapter Net Agent Mini DP 522
  - SNMP Adapter CS121BL

### Other

- Additional Charging Set ( 450W )
- Isolation Transformer

### Battery Cabinets

UPS looking battery cabinets

- BC1720 (20 pcs 12V 18Ah)
- BC2620 (20 pcs 12V 25Ah)
- BC1232 (32 pcs 12V 12Ah)
- V14; V15; V24; V33; V34 (different battery configuration available)
- Eco Cabinets (different battery configurations available)
- BC00;BC10;BC20;BC30; BC40; BC50; BC60

# Saver Plus DSP Specifications

TYPE	SD3110	SD3115	SD3120
Power	10kVA	15kVA	20kVA
<b>INPUT</b>			
Nominal Voltage	380 V / 400V / 415V 3Phase, N		
Minimum Voltage	140V 3 Phase, N		
Minimum Voltage ( At Full Load )	260V 3 Phase, N		
Maximum Voltage	480V 3 Phase, N		
Frequency	50 - 60Hz (45 to 65 Hz)		
Nominal Current	11.8 A / Phase	17,4 A / Phase	23,3 A / Phase
Maximum Current	36 A peak / Phase	53 A peak / Phase	71 A peak / Phase
Power Factor	>0,97		
<b>OUTPUT</b>			
Power Factor	0,7		
Nominal Voltage	220V / 230V ( Adjustable )		
Wave Form	Sinus		
Total Harmonic Distortion	< 3%		
Frequency	50Hz or 60Hz ( Adjustable )		
Voltage Regulation (Static)	1%		
Crest Factor	3		
Overload	> 30s (at 150 % Load)		
Total Efficiency	> 91%		
<b>BATTERY</b>			
Type	Maintenance-Free Lead Acid Batteries		
Quantity (Pcs)	20		32
Recharging Time	< 4 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		
<b>STATIC BY-PASS</b>			
Voltage Tolerance	10% (Adjustable)		
Frequency Tolerance	3Hz (Adjustable)		
Transfer Time	0 ms		
<b>PROTECTION</b>			
Protections	Overload Protection, Short Circuit Protection, High Temperature, Over Voltage, Over Current		
<b>COMMUNICATION INTERFACE</b>			
Interface (Communication Ports)	RS 232		
Dry Contact Signals	Ups Shutdown,Mains Failure, Low Battery, By Pass Active, Summary Alarm		
<b>ENVIRONMENT</b>			
Temperature	0 - 40 °C		
Suggested Temp. To Extend Battery Life	20 - 25 °C		
Humidity	< 95%		
Audible Noise At 1m	< 55dB From 1 m Distance		
Protection Class	IP 20		
<b>PHYSICAL SPECIFICATIONS</b>			
Net Weight ( Without Battery )	55kg	125kg	130kg
Dimensions (mm) (WxDxH)	270x730x780	430x820x970	
<b>STANDARDS</b>			
Standards	EN 62040-1-1 (Safety), EN 62040-2(EMC)		

