



Highlights

- True Double Conversion
- Microprocessor Control
- Transformer-free Design
- IGBT PWM Controlled
- Input Power Factor Correction
- Output Power Factor 0.9
- Wide Input Voltage
- Converter Mode Available
- ECO Mode for Energy Saving
- Generator Compatible
- Smart SNMP, USB, RS-232
- Comprehensive Display
- Easy Monitoring and Access of UPS Status
- Soft Start Capacity
- Maintenance and Automatic Bypass
- 10 Years Battery Life Time
- 2 Years Warranty

Savior Three-Phase Input, Single-Phase Output Online UPS 10 - 20 kVA Technical Specifications

GENERAL		
Capacity	10 kVA	20 kVA
Power Factor	0.9	
Technology	Double Conversion Online UPS with DSP Control	
INPUT		
Voltage	380/400/415 Vac (or 208/480/600 Vac)	
Voltage Range	±20% at Full Load	
Frequency	50 Hz / 60 Hz ±10%	
Input Power Factor	≥0.99 at Nominal Voltage and Full Load	
OUTPUT		
Output Voltage	220/230/240 Vac (or 110/120/127 Vac)	
Voltage Accuracy	±1%	
Crest Factor	3:1 at Full Load	
Transfer Time	0 ms (from battery)	
THDv	≤3% Linear Load, ≤5% Non-linear Load	
Waveform	Pure Sinewave	
Overload Operation	100%-125% for 5 min, 125%-150% for 60 Sec, >150% Transfer to Bypass	
Efficiency	93% AC Mode, >98% Eco Mode	
Protection	Short Circuit, Over Load, Battery Fuse, Bypass, Over Temperature Protections	
BATTERY (STANDARD MODEL)		
Battery Cap. and Qty	16x9 Ah	32x9 Ah (External)
Max Charging Current	2 Amp	
Recharge Time	0-90%, 6 Hours Typical	
BATTERY (LONG RUN MODEL)		
Battery Qty	16 or 20 pcs	
Max Charging Current	8 Amp (no internal batteries)	
Recharge Time	Depends on the External Batteries	
DISPLAY AND ALARMS		
Display	LCD Panel	
Displayed Parameters	Input Voltage/Frequency, Output Voltage, Output Phase Current/Frequency, Battery Status, Load Status, Alarm Code, and Fault Codes	
Communication	USB, RS232 with Software CD, SNMP (Optional)	
SAFETY and STANDARDS		
Standards	IEC/EN62040-1, IEC/EN60950-1, ISO 9001, CE	
EMC	EN/IEC 62040-2, EN/IEC 62040-3	
ENVIRONMENT		
Heat and Humidity	-10 C° / + 60 C°, 0 - 90% (non-condensing)	
Noise Level	Less than 60 dB at 1 mt	
Protection Level	IP21	
STANDARD MODEL		
Size (WxDxH) [cm]	30x60x75	30x60x65
Weight	75 kg	42 kg
LONG RUN MODEL		
Size (WxDxH) [cm]		
Weight	30 kg	44 kg

General Features

Savior three-phase input and single-phase output true double conversion design Online UPS is designed for IT server room, surveillance, MRT stations & factories application etc. where you have three-phase supply and where you need reliable and uninterrupted single-phase output.

Savior 3 Phase input, 1 Phase output UPS has 0.9 output power factor with high efficiency. N+X parallel redundancy solution is available to increase the system reliability. Parallel operation allows to increase output power, up to 8 units can be connected in parallel.