



Highlights

- 3 Level Online UPS
- Microprocessor Control
- Transformer-free Design
- IGBT PWM Controlled
- Input Power Factor Correction
- Output Power Factor 0.8 or 1.0
- Wide Input Voltage
- Converter Mode Available
- ECO Mode for Energy Saving
- Generator Compatible
- SNMP, RS-232, Modbus
- Comprehensive Display
- Up to 8 pcs N+1 Parallel Operation
- Soft Start Capacity
- Maintenance and Automatic Bypass
- 500 pcs Events Log
- 10 Years Battery Life Time
- 2 Years Warranty

Savior Three-Phase Online UPS 10 - 40 kVA Technical Specifications

GENERAL					
Capacity	10 kVA	15 kVA	20 kVA	30 kVA	40 kVA
Power Factor	0.8 or 1.0				
Technology	3 Level Online UPS with DSP Control				
INPUT					
Voltage	380/400/415 Vac (or 208/480/600 Vac) ±25% at Full Load				
Frequency	50 Hz / 60 Hz ±10%				
THDi	≤ 3% at Full Load				
Input Power Factor	≥0.99 at Nominal Voltage and Full Load				
OUTPUT					
Output Voltage	380/400/415 Vac (or 208/480/600 Vac) ±1%				
Bypass Voltage	380/400/415 Vac (or 208/480/600 Vac) ±15%				
Crest Factor	3:1 at Full Load				
Transfer Time	0 ms (from battery)				
THDv	<2% (at linear full load)				
Waveform	Pure Sinewave				
Overload Operation	100%-125% for 12 min, 125%-150% for 90 Sec, >150% Transfer to Bypass				
Efficiency	94% at Full Load, >98% at Eco Mode				
Protection	Short Circuit, Over Load, Battery Fuse, Bypass, Over Temperature Protections				
BATTERY					
Battery Qty 0.8 Model	62 pcs (± 31) Batteries				
Battery Qty 1.0 Model	60 pcs (± 30) Batteries				
Protection	Battery Deep Discharge Protection				
Battery Space	Up to 60 pcs 9 Ah Space Internal, External Cabinet is Available				
Auto Battery Test	Manual and Automatic Battery Tests				
DISPLAY AND ALARMS					
Display	4x20 LCD Panel, 6" Touchscreen Panel (Optional)				
Event Logs	500 Events Recorded with Time and Date				
Indicators	Crest Factor, Volt, Current, Frequency, PF, Service Time				
Displayed Parameters	Input Voltage/Frequency, Output Voltage, Power, Output Current/Frequency, Battery Status, Load Status, Alarm Code, EPO and Fault Codes				
Communication	RS232 or RS485 Modbus (Standard), Dry Contact and 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 (higher ratings are available on request)				
OPTIONAL FEATURES					
Parallel Operation	Up to 8 Units can be Connected in Parallel				
Remote Panel	LCD or Touchscreen Remote Panel Available on Request				
DIMENSIONS AND WEIGHT					
Size (WxDxH) [cm]	40x80x110			55x90x130	
Weight	100 kg	115 kg	119 kg	125 kg	175 kg

General Features

Savior three-phase 3 level design Online UPS provides high efficiency, high reliability and precise control with low footprint. It is suitable for industrial equipment, servers and commercial buildings, vital important equipment, automation systems, computer networks and communications where three-phase supply is needed.

Savior 3 Phase input, 3 Phase output UPS has 0.9 output power factor with parallel operation up to 8 units, allowing to increase power or work redundant to increase protection of the load. For IT server room, surveillance, MRT stations & factory applications parallel redundant operation is a must.