



## Highlights

- Compact Modular Design
- 3 Level Online UPS
- Hot-Swappable
- Microprocessor Control
- IGBT PWM Controlled
- Input Power Factor Correction
- High Output Power Factor
- Wide Input Voltage
- Low Footprint
- 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
- 2 Years Warranty



## Savior Three-Phase Modular Design Online UPS 20 - 1500 kVA Technical Specifications

GENERAL				
Module Capacity	20 kVA [20 kW]	30 kVA [30 kW]	40 kVA [40 kW]	50 kVA [50 kW]
Max Cabinet Capacity	400 kW	900 kW	1200 kW	1500 kW
Technology	3 Level Online UPS with DSP Control			
INPUT				
Voltage	380/400/415 Vac (or 208/480/600 Vac) ±25%			
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	95% at Full Load, >98% at Eco Mode			
Protection	Short Circuit, Over Load, Battery Fuse, Bypass, Over Temperature Protections			
BATTERY				
Battery Quantity	40 Batteries (selectable between 32-44)			
Battery Voltage	±240 Vdc (adjustable from control panel)			
Charging Current	0.2C			
Battery Space	External Battery Cabinet			
Auto Battery Test	Automatic Battery Test is Available			
DISPLAY AND ALARMS				
Display	7" Touchscreen Panel			
Event Logs	512 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	Standard RS232 with Software and Dry Contact, Optional SNMP and Modbus			
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 65 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			
MODULE SIZES				
Size (WxDxH) [cm]	60x45x13.4 (3U)	45x80x13.4 (3U)	52x70x17.8 (4U)	
Weight	23 kg	35 kg	45 kg	47 kg

## General Features

Savior three-phase 3 level design Modular Type Online UPS ranged between 20 - 1500 kVA is scalable, low footprint, compact and most advanced solution to get uninterrupted and reliable energy for any of your critical loads lie data centers, hospitals, banks and security applications. Hot swappable design allows to change the module without interrupting the load.

Savior Series Modular UPS has industrial design with parallel operation up to 8 units, allowing to increase power to increase the output. Modbus and SNMP interface provides easy BMS and SCADA integration.