



Savior Three-Phase Online UPS 45 - 200 kVA Technical Specifications

GENERAL							
Capacity	45 kVA	60 kVA	80 kVA	100 kVA	120 kVA	160 kVA	200 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%						
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 Qty 0.8 Model	62 pcs (± 31)				60 pcs (± 30)		
Battery Qty 1.0 Model	60 pcs (± 30) Batteries						
Protection	Battery Deep Discharge Protection						
Battery Space	External Battery Cabinet						
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 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						
DIMENSIONS AND WEIGHT							
Size (WxDxH) [cm]	55x90x130		70x75x165			100x95x195	
Weight	182 kg	205 kg	255 kg	290 kg	405 kg	530 kg	580 kg

Highlights

- 3 Level Online UPS
- Industrial Design
- Microprocessor Control
- Transformer-free Design
- IGBT PWM Controlled
- Input Power Factor Correction
- High Output Power Factor
- 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
- 2 Years Warranty

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, hospitals, military and aviation, factories, data centers and telecom, civil and commercial buildings where high powered three-phase uninterrupted energy is needed.

Savior 3 Phase input, 3 Phase output UPS has industrial design with parallel operation up to 8 units, allowing to increase power or work redundant to increase protection of the load. Modbus and SNMP interface provides easy BMS and SCADA integration.