

SCALA

Scala Max Standalone 3 Phase UPS



**Maximum power protection
for every critical environment**

+ Compact + Reliable + Efficient

Three Phase Online Double Conversion UPS
Tower model 60 / 90 / 120 kVA

A world-class support structure

As an industry-leading UPS provider, Scala Power Corporation constantly working to ensure that our service standards meet your needs precisely. Our trained service team is on hand 24/7 to minimise risks by detecting and addressing problems before they happen. We confidently guarantee the experience and know-how of our servicing resources to provide a dedicated support package which helps to ensure your equipment is running safely, reliably, sustainably and energy-efficiently at all times.



Scala Max

Scala Max delivers maximum power protection for ever-expanding loads in today's space constrained data centres. Facilitating a lower total cost of ownership (TCO) through a combination of energy efficiency, high reliability and a compact footprint, the ScalaMax is an ideal solution for applications desiring highly reliable power protection.

Scala Max offers advanced technology that increases performance and reliability, such as Three high speed DSP with completed digital control to fully ensure high quality of power supply for critical electronic or IT equipments.



**Critical CT Scan operation protected by Scalamax*

Application

- Small and Medium data centres
- Industrial automation equipment
- Telecommunications
- Healthcare

Scala Max

Standalone 3 Phase UPS

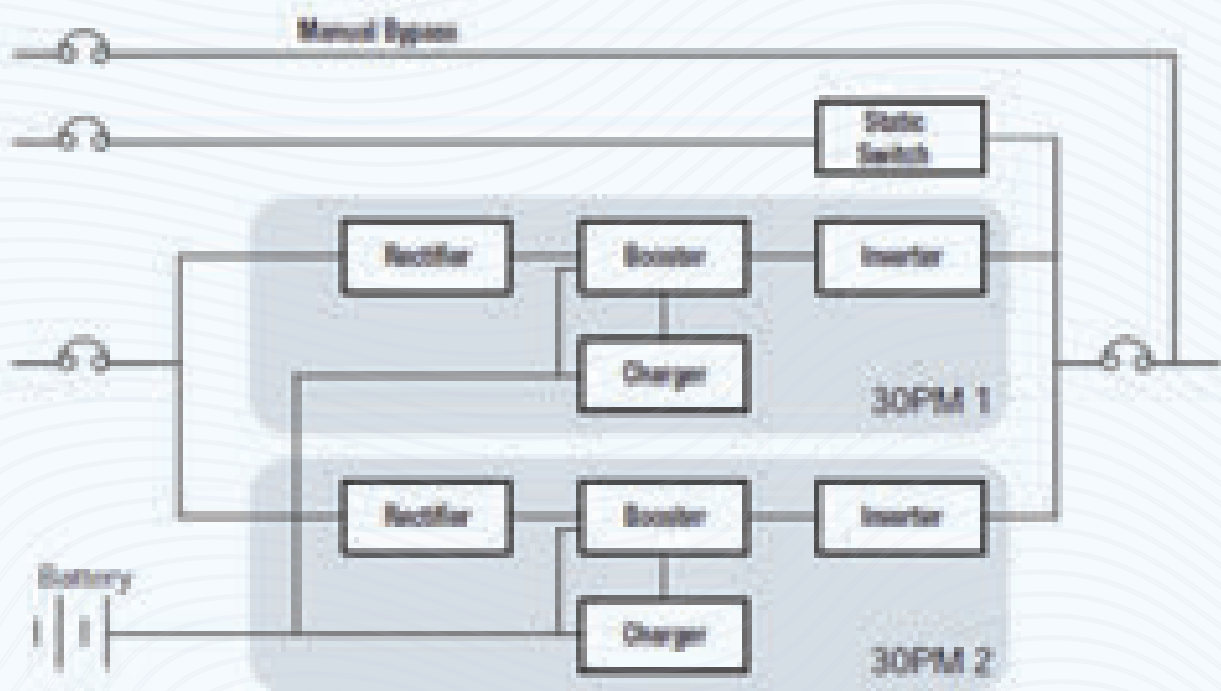
** Industrial automation equipment protected by Scalamax*





Key Features & Benefit

- High Efficiency : up to 96%
- Multi protection :
Over temperature , over load , DC under voltage , fan failures, short circuits
- High reliability:
IGBT Technology in rectifier and inverter, high frequency PWM, transformerless, fully digital control with microprocessor, no break static and manual transferring
- 3 steps PWM IGBT Inverter ensures the best performance
- Battery Management
Smart Charging to extend battery life
- Wide input voltage and frequency range
Compatible with different utility power source
- Cleaned source:
Power factor correction close to unity power factor (pf 0.99) and low THDi (3%)
- Sub-system modular design:
Easy maintenance
- Battery cold start
Allows UPS to switch on without utility power
- High power availability:
Output factor at 0.9 provides more active power than a traditional UPS and more load expansion
- Low management cost:
The transformer less technology allows the lowest footprint in this category.
- Fully DSP control ensure highest reliability



Technical Data Sheet

GENERAL			
Model	SCALAMAX		
Description	Transformerless Online Double Conversion , Tower UPS		
RATING			
Part Number	SCALA MAX 60	SCALA MAX 90	SCALA MAX 120
Capacity	60kVA / 54kW	90kVA / 81kW	120kVA / 108kW
Dimension (WxDxH)	600 x 1000 x 1000 mm	600 x 1000 x 1400 mm	600 x 1000 x 1400 mm
Weight	170 kg	235 kg	265 kg
Display	LED , COLOUR LCD Touch Screen , Keyboard		
INPUT			
Nominal Voltage	3 Phase + N + PE , 380V/400V/415V (line to line)		
Voltage Range	304V - 478 V (line to line)		
Frequency range	40 - 70 Hz		
Input power factor	> 0.99		
THDi	<3%		
OUTPUT			
Nominal Voltage	380V/400V/415V (line to line)		
Voltage regulation	±1.5%		
Voltage THD	THD<1% (linear load)		
Frequency	50 / 60 Hz ± 0.01%		
Power factor	0.9		
Overload	110% : 60min ; 125% : 10mins ; 150% : 1min ; >150% : 200 ms		
BATTERY			
DC VOLTAGE	±240 VDC		
Charge power	20% of System Power		
Recommended	VRLA - AGM (Maintenance Free)		
SYSTEM			
Total Efficiency	96% at Normal Mode		
IP Class	IP20		
Operating condition	0 - 40 °C / 0 - 95% RH		
Noise	65 dB (1 m)		
Communication	RS232, RS485, Dry Contacts, SNMP Slot		
STANDARDS			
General safety	EN50091-1-1/IEC62040-1-1/AS 62040-1-1		
EMC	EN50091-2/IEC62040-2/AS 62040-2 (C3)		
Performance test	EN50091-3/IEC62040-3/AS 62040-3 (VFI SS 111)		

SCALA

For Product Enquiry :
email to info@scalapower.com

Scala Power
653 Monument road
Jacksonville, FL 32225
Tel +1 16142092162

www.scalapower.com