SOLUTIONS BY

COVIS

MISSION CRITICAL FACILITIES
DESIGN AND CONSTRUCTION

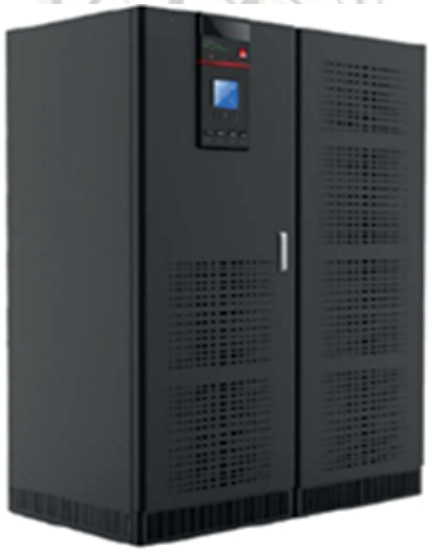
Covis Sdn Bhd
E-03-01, 1st Floor East Wing
Subang Square Business Centre
Jalan SS15/4G, 47500,
Subang Jaya,Selangor

www.covis-group.com/
lawrence.lai@covis-group.com

+603 5621 7780

+603 5621 7790

• 1 Year Warranty •



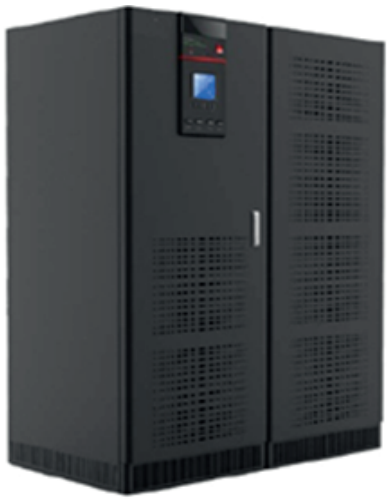
Uninterruptible Power Supply (UPS)

Low Frequency Online UPS (120-800kVA)

Features

- Fully Digital, Twin DSP Controlled
- Handle Leading Power Factor Loads Without KW de-Rating Under Specified Conditions
- Online Double Conversion , IGBT Based PWM Inverter
- High Overload Capability of Static Bypass (14 Times for 10 Milliseconds and 10 Times for 100 Milliseconds)
- Capability to Handle: - High Crest Factor Loads, 100% Non-Linear Loads, 100% Unbalanced Loads.
- Front Access for Spared Replacement and Preventive Maintenance
- Adjustable Frequency Synchronization window up to 9% in the Static Bypass
- Provision of Automatic Battery Circuit Breaker
- Comes with one year warranty include labour and parts

COVIS
MISSION CRITICAL FACILITIES
DESIGN AND CONSTRUCTION



Standard Unit Specifications and Technical

Model	GP9335 UPS System 120kVA – 800kVA												
	6P	12P	6P	12P	6P	12P	6P	12P	6P	12P	12P	12P	12P
Rated Nominal	120kVA/108kVA		160kVA/144kVA		200kVA/180kVA		300kVA/270kVA		400kVA/360kVA		500kVA/ 450kVA	600kVA/540kVA	800kVA/ 720kVA
Rated Input Voltage	380/400/415 VAC 3 Phase 4-Wire												
Rated Frequency	50/60 Hz												
Input Parameters													
Input Frequency Range	±25%												
Input Frequency Range	45 Hz – 65 Hz												
Input Soft Start Function	0-100% 5 – 300S Settable												
Input Power Factor	>0.98 (If Harmonic Filter is Added)												
Input Harmonic Current (THD	<4.5% (If Harmonic Filter is Added)												
Bypass													
Bypass Voltage Range	-20% - +15%												
Bypass Frequency Range	50/60 Hz ±10%												
Output Parameters													
Inverter Output Voltage	380/400/415VAC 3-Phase 4-Wire												
Voltage Stability	±1% (Steady Status) , ±3% (Transient Status)												
Frequency	50/60 Hz												
Mains Power Synchronization Window	±5%												
Actually Measured Frequency Accuracy (Internal Clock)	50/60 Hz ±0.05 Hz												
Output Power Factor	0.9 (Output 90kW per 100kVA)												
Transient Response Time	<5 ms												
Inverter Overload Capability	At 0.9 Power Factor, 110% For 1 Hour, 125% For 10 Minutes and 150% for 60s												
Short Circuit Current From Inverter	3 Ph 1.5In For 5 Seconds. 1 Ph 2.9In For 5 Seconds												
Maximum Bypass Capability	1000% For 100ms												
Phase Shift Characteristic	With 100% Balanced Load	<1°											
	With 100% Imbalanced Load	<1°											
Total Harmonic Distortion (THDv)	100% Linear Load	<1%											
	100% Non-Linear Load	<1%											
System Efficiency(Full Load)	Up to 94% (Inverter Efficiency is Up to 98%)												
Rectifier Output Parameters													
Charger Output Voltage Stability	1%												
DC Ripple Voltage	≤1%												
Operating Environment													
Operating Environment	0° C - 40° C												
Storage Temperature	-25 - 70°C (Inverter Efficiency is Up to 98%)												
Relative Humidity	0%-95% No condensation												
Maximum Operating Height	≤ Elevation 1000m, For Elevation Above 1000m, Derate By 1% For Every Increase of 100m												
Noise (1m)	55dB – 68dB												
Protection Level	IP20												
Standard	Safety : IEC60950-1 IEC620040-1 UL1778 EMC IEC62040-2 CLASS C2 EN50091-2 CLASS A Design & Test IEC62040-3												
Physical Parameters													
Weight	980		1420	1200	1750		1350		2000	1600	2200 2100 2750	3690	6390 7390
Dimension, W x D x H(mm)	900 x 855 x 1900		1250 x 855 x 1900		1640 x 855 x 1900		1250 x 855 x 1900		1640 x 855 x 1900		220 x 855 x 1900	2835 x 1000 x 1950	3955 x 1090 x 1950

*Specification subjects to change without prior notice