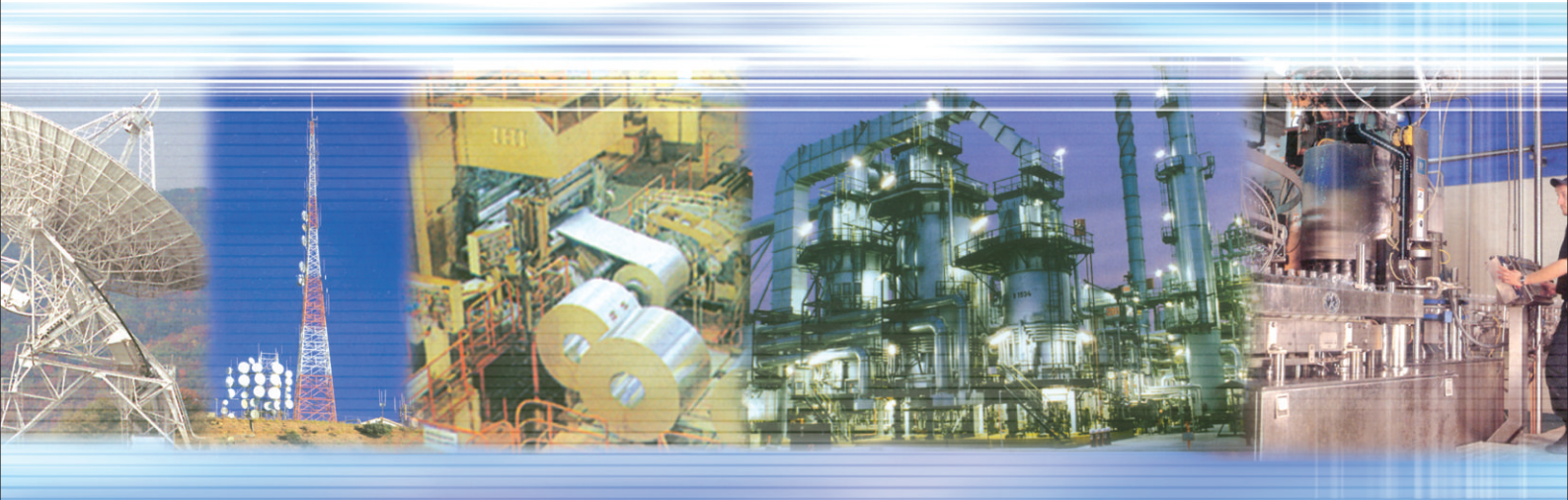




Productivity through Reliability and Energy Efficiency



Synergye 3300

120 to 300 kVA UPS

Three phase input - Three phase output

- ❖ Eco mode operation
- ❖ High operational efficiency
- ❖ Digital control
- ❖ Network connectivity
- ❖ Compliance to International standards



SPECIFICATIONS

Rating	120, 160, 200, 250, 300 kVA
INPUT	
Rectifier Design	Advanced PFC rectifier with IGBT Based charger
Nominal Voltage	415 V AC, (+15% to -20%) Three Phase & N
Nominal Frequency	50 Hz (± 6%)
INVERTER	
Inverter Design	IGBT based PWM with Digital control
Voltage	400 V AC, Three Phase & N (380 V / 415 V selectable)
Regulation	± 1% for balanced load, ± 2% for 100% unbalanced load
Phase Displacement	< 1° for balanced load, < 2° for 100% unbalanced load
Frequency	50 Hz (±0.25 Hz) in Free Running mode, 50 Hz (± 3 Hz) in Synchronous mode
Waveform	True Sinewave
Total Harmonic Distortion	< 2 % max. Linear Load < 5% max for Non-linear Load, (Ref : IEC 62040 – Part III)
Crest Factor	3 : 1
Overload Capacity	125% for 10 minute; 150% for 60 s (Inverse time characteristics)
Dynamic Response	Compliance to IEC 62040 - Part III, Class 1
Duty	Continuous
ENVIRONMENTAL	
Ambient Temperature	0 to 40 °C
Humidity	Upto 90% RH, Non Condensing
Altitude	< 1000 meter, above sea level (without derating)
PHYSICAL	
Enclosure Protection	IP - 20
Cooling	Forced air
Colour	Hawells Gray (RAL 7035)
Cable Entry	Bottom
TESTING STANDARDS	IEC 62040 - PART III

Rating (in kVA)	120	160	200	250	300
Battery Voltage	360 V DC			408 V DC	
Acoustic Noise	< 68 db @ 1.5 m			< 70 db @ 1.5 m	
Overall Efficiency	> 97% Eco mode operation				
Width (in mm)*	R-600 & I-1200	R-600 & I-1200	R-600 & I-1200	R-800 & I-1400	R-800 & I-1400
Depth (in mm)	900	900	900	900	900
Height (in mm)	1750	1750	1750	1750	1750
Approx Weight (in kg)	500 + 1000	500 + 1000	500 + 1100	650 + 1200	750 + 1200

* R - Rectifier, I - Inverter Cubicle

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Management Service
ISO 9001 : 2000



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R&D being continuous process, the specifications are subject to change without prior notice.