

ALPHA 31 SERIES

3Ø Input - 1Ø Output
10 - 40 kVA



Ratings (kVA / KW)	10 / 9	15 / 13.5	20 / 18	40 / 36
INPUT				
Nominal Voltage	380 / 400 / 415 V AC (Selectable)			
Voltage Range	320 to 480V@100% Load			
Frequency	50 or 60 Hz (Selectable)			
Frequency Range	40Hz - 70Hz			
Current Distortion	4% (While input voltage distortion <1%)			
Power Factor	0.99			0.95
OUT PUT				
Voltage	220 / 230 / 240 (Selectable)			
Voltage Regulation	1.5%			
Total Harmonic Distortion	≤1% (Linear Load) ≤5% (Non Linear Load)			
Power Factor	0.9			
Crest Factor	3:1			
Overload (inverter Mode)	110% for 10 minute, 130% for 1 minute 150% for 30 second			
DC LINK				
Battery Voltage	192VDC			±240VDC
SYSTEM				
Efficiency (Overall)	upto 93.50%		upto 95%	
Efficiency (Inverter)	upto 92%		upto 95%	
Efficiency (Eco Mode)	upto 98%		upto 98%	
Display	LED + LCD			
Interface	RS232, EPO		RS232, RS485, USB	
Degree of Protection	IP20			
Audible Noise	53dB@<70% Load, 66dB@>70 % Load		65dB	
ENVIRONMENTAL CONDITIONS				
Operating Temperature	0 - 40°C			
Storage Temperature	-20°C to 70°C			
Relative Humidity	0 - 95% (Non - Condensing)			
Maximum Altitude Above Sea Level	1000 Meters without derating			
PHYSICAL PARAMETERS				
Dimensions (W×D×H) in mm	250×562×650		250×562× 600×980× 710 950	
Approx. Weight (in Kg.)	25	27	34	170
STANDARDS				
Safety Standard	IEC/EN-62040-1			
EMC Standard	IEC/EN-62040-2			
Performance Standard	IEC/EN-62040-3			

Standard Features :

- Wide Input Voltage Range
- High Input Power Factor
- Protection against Over Voltage, Short Circuit and Over Temperature
- Auto Fan Speed Adjustment
- LCD Display Monitoring all the operational status

Optional Features :

- SNMP for Remote Monitoring
- Dry Contacts
- Parallel Kit
- AS / 400 Interface
- Battery Cold Start