

BETA SERIES

3Ø Input - 3Ø Output
60 - 400 kVA



Ratings (kVA / KW)	60 - 400 kVA
INPUT	
Nominal Voltage	380 / 400 / 415 V AC (Three Phase+N)
Voltage Range	330 to 480
Frequency	50 or 60 Hz (Selectable)
Frequency Range	40Hz to 60Hz
Current Distortion	≤ 3% (while Input voltage distortion is <4%)
Power Factor	0.99
OUTPUT	
Nominal Voltage	380 / 400 / 415 V AC (Three Phase+N)
Frequency	50 or 60 Hz (Selectable)
Voltage Regulation	Static : ±1% Dynamic : ± 5%
Power Factor	0.8
Voltage Distortion	≤ 3% (Linear Load)
Overload	125% for 10 Minutes
Crest Factor	3:1
Efficiency	Inverter : 94% Overall : 92%
Parallelability	Upto 4 Systems
DC LINK	
Battery Voltage	672 - 720 Volts
STATIC BYPASS	
Switching Time	Inverter Failure : 2 ms Other Modes : 0
ENVIRONMENTAL CONDITION	
Operating Temperature	0 - 40°C
Storage Temperature	-20°C to +70°C (Not for Batteries)
Relative Humidity	95% Non - Condensing
Maximum Altitude Above Sea Level	1000 Meters without derating
GENERAL	
Ingress Protection	IP – 20
STANDARDS	
Safety Standard	IEC/EN-62040-1
EMC Standard	IEC/EN-62040-2
Performance Standard	IEC/EN-62040-3

kVA / KW Ratings	60 / 48	80 / 64	100 / 80	120 / 96	160 / 128	200 / 160	250 / 200	300 / 240	400 / 320	
Dimensions in mm (W×D×H)	810 × 870 × 1850				1000 × 905 × 1965			1600 × 950 × 2100		
Weight (kg)	550	700	850	1000	1200	1400	1800	2000	2200	
Noise Level in db	<65				<70			<72		

Standard Features :

- Active Power Factor Correction at UPS Input
- FPGA (DSP) Based Double Conversion Topology
- Parallel redundancy
- Energy Saving Mode
- Isolation Transformer at Inverter output
- Protection against DC Shoot through Fault
- Four quadrant operation for handling regenerative loads

Optional Features :

- SNMP for Remote Monitoring
- Isolation Transformer at UPS Input
- Management Software
- Remote Monitoring for Alarms/ Indications
- Remote Emergency Power Off
- Potential Free Contacts for Remote Indications
- Voltage Stabiliser in Bypass Line
- Battery Management System
- Inbuilt Fire Protection
- O/p PF 0.9 to unity