

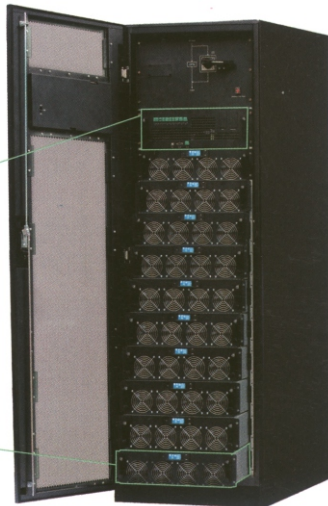
ALPHA RMS SERIES (Rack-Mount)

3Ø Input - 3Ø Output
10 - 600 kVA

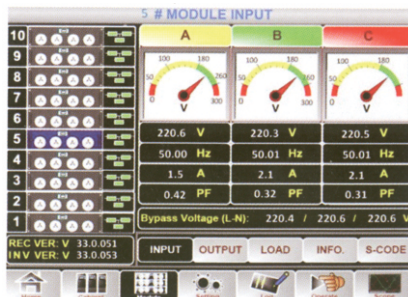
Bypass & Monitoring Module



Power Module



Man-Machine Interface



Ratings (kVA / KW)	10kVA - 600kVA		
Technology	Double Conversion True Online Topology		
INPUT			
Phase	3Ph+N+PE 380 / 400 / 415 V (Line-Line)		
Voltage Range	276 - 480V		
Input Current Distortion	<3%*(While input voltage distortion is <1%)		
Power Factor	>0.99		
Frequency Range	40 - 70Hz		
OUTPUT			
Voltage	380 / 400 / 415 V (Line-Line Nominal)		
Voltage Regulation	1.5%		
Voltage Distortion	<1% (Linear Load) <5.5% (Non-Linear Load)		
Frequency Variation (in Free-Running Mode)	±0.01%		
Frequency	50Hz or 60Hz (Selectable)		
Phase Tolerance	120°±0.5° (Balanced and Unbalanced Load)		
Crest Factor	3:1		
Overload	110%, 60 minutes	125%, 10 minutes	150%, 1 minute
DC LINK			
Battery Voltage	±192VDC to ±264VDC		
Charge Power	20% of System Power		
Low Battery Cut-Off	1.7V / Cell		
SYSTEM			
Overall Efficiency in Normal Mode	upto 95%		
Efficiency in ECO Mode	upto 99%		
Efficiency in Battery Mode	upto 95%		
Display	7" Touch Colour LCD & LED		
Degree of Protection	IP20		
Interface : Standard	RS-232, RS-485, EPO, Dry Contacts		
Interface : Optional	SNMP		
Temperature Range of Operation	0 – 40°C		
Relative Humidity	0 – 95% (Non-Condensing)		
Audible Noise (1 Meter away)	60 – 72 dB		
STANDARDS			
Safety Standard	IEC/EN-62040-1		
EMC Standard	IEC/EN-62040-2		
Performance Standard	IEC/EN-62040-3		

Note: 10KW module can be set as 1/1, 3/1, 3/3 and 1/3 Power connection.
15KW onwards modules can only be set as 3/3 connection.
*For 10KW&15KW Modules input current distortion is <4%.

Standard Features :

- Modular design convenient for field maintenance, upgradation and redundancy.
- High power density.
- Touch Screen LCD gives next level user experience.
- Isolated Air Flow.
- Flexibility / Scalability.
- Waveform Recording.
- Smart Sleep.
- Phantom Loading.
- Programmable Potential Free Contacts.