

TECHNICAL SPECIFICATION 1 PH

TECHNOLOGY		Double conversion Online with the latest MPWM technology using IGBT .			
RATING KVA		5	6	7.5	10
DC BUS V DC		120/192	120/192	192/240	240
INPUT					
Input Voltage		230V 1 Ø & N			
Input Voltage Window		170-270 V			
Input Frequency		50Hz ± 10%			
Input PFC @ 100 % Load		> 0.99			
Power walk in		Soft start for 0-20 seconds power walk-in.			
RECTIFIER					
Type		IGBT based MPWM with instaneous sin wave control			
Voltage Regulation		(±) 1%			
Ripple Voltage		< 2%			
Converter Protection		Advanced Electronic Protection for device safety backed up with MCB's/ MCCBs & fast acting fuses			
INVERTER					
Inverter Type		IGBT based MPWM with instantaneous Sinewave Control			
Power Factor		0.8 lag			
Nominal Voltage		400 V Ph- Ph :230V Ph- Neutral			
Regulation	Balanced Load	(±) 1%			
	Unbalanced Load	(±) 1%			
Frequency		50 Hz ± 0.1Hz			
Waveform		True Sinewave			
Total Harmonic Distortion	Linear Load	< 2%			
	Non Linear Load	< 4%			
Transient Response		Remains within +/- 5% & recover to normal within 20 msec			
Over Load Capacity	100%	Continuous			
	125%	1 Minutes			
	150%	510Seconds			
Crest Factor		3:1			
Mode of Operation		Designed for Continuous operation			
ISOLATION		True Online with complete galvanic isolation.			
Inverter Protection		Advanced Electronic Protection for device safety backed up with MCB's/ MCCBs & fast acting fuses, high speed pulse by pulse electronic device protection over voltage / under voltage protection, Electronic over current trip			
BYPASS					
Manual Bypass		Provided			
Static bypass(Optional)		Optional			
EFFICIENCY					
Overall Efficiency @ 100 % load		> 86 % to 90 %			