



# 3100 Series

Double Conversion Online UPS



## Overview

3100 Series of UPS features efficient Double Conversion ONLINE topology design using IGBT power devices.

The output remains controlled with low distortion and noise dissipation making it ideal for Servers, Data-centers, Critical network devices, Sensitive electronic equipment, Medical, Lighting, Telecom & Industry.

Model	3110	3115	3120	
Nominal capacity	10kVA / 7kWatts	15kVA / 10.5kWatts	20kVA / 14kWatts	
Input	Input Power factor	> 0.82		
	Input voltage range	400VAC $\pm$ 15%		
	Input frequency Range	50Hz $\pm$ 5%		
Output	Output Voltage range	230VAC $\pm$ 1%		
	Output frequency	50Hz $\pm$ 0.05Hz (crystal controlled)		
	Output waveform	Pure Sine Wave		
	Rated Output Power factor	0.7 lagging		
	Load Power factor range	0.6 lagging to unity within kW rating of unit		
	Output Harmonic Distortion	<3% THD		
	Transient response	$\pm$ 5% under full load and recovery within 30ms		
	Static switch rating	1000% for 100ms		
	output Current crest ratio	3:1		
	synchronization	slew rate : 1Hz/s		
Battery	Battery type	Sealed Maintenance free lead acid		
	Nominal DC voltage	432VDC		
	Quantity	32 pcs minimum	64 pcs minimum	
	Battery recharge time	6hrs to 90%		
Bypass	Maximum Charge current (upgradable)	5Amps	7.5Amps	10Amps
	Static	On overload or UPS failure		
Indicators	Manual	User operated for maintenance		
	LCD Display	UPS status, Measurements, Loading, Fault codes		
Efficiency (Input - Output)	>90%			
Transfer time	0ms			
Overload	200% for 15sec. Short circuit capability without damage			
Alarms	16 possible alarms for accurate diagnosis			
Communication	Dry contacts (standard)	Voltage free N/O or N/C contacts		
	RS232 (optional)	Monitor UPS through direct cable connection & software		
	SNMP (optional)	Network control UPS through management software & Internet		
	GSM (Optional)	Monitor UPS over GSM network		
Environment	Operating temperature	0-40°C		
	Operating Humidity	0-90% Non-Condensing		
	Altitude	0 - 2000m without derating		
	Noise (1meter distance)	<52dB		
Dimensions (WxDxH) mm	370 x 680 x 845			
Weight (kgs) - Excluding Batteries	115	144	194	

\* Product specifications are subject to change without prior notice.