

## IGBT ON LINE UPS SYSTEM - 3 KVA TO 50 KVA – 3 PHASE I/P – 1 PHASE O/P

TECHNICAL SPECIFICATION										
MODELS		3103	3105	3110	3115	3120	3125	3130	3140	3150
CAPACITY		3 KVA	5 KVA	10 KVA	15 KVA	20 KVA	25 KVA	30 KVA	40 KVA	50 KVA
PARAMETERS	AC Input Voltage	a) 415 V, -20% + 15% 4 wire Three Phase or any voltage Range as per customer Requirement.								
	Frequency	b) 50 HZ +/- 10% <span style="float: right;">Can also work Good Quality Generators</span>								
		c) Output Voltage <span style="float: right;">220 V / 230 V AC Single Phase</span>								
		d) Voltage Regulation <span style="float: right;">+/- 1%</span>								
		e) Frequency <span style="float: right;">50 Hz +/- 0.01% (Crystal Controlled)</span>								
		f) Wave Form <span style="float: right;">Sine Wave</span>								
	AC OUTPUT	g) Harmonic Distortion <span style="float: right;">Less than 3%</span>								
	PARAMETERS	h) Efficiency <span style="float: right;">&gt;93%</span>								
		i) Power factor <span style="float: right;">0.8 lagging (0.9 optional on request)</span>								
		j) Over load <span style="float: right;">110% for 10 Minutes</span>								
		<span style="float: right;">200% for 5 Cycles</span>								
		k) Crestor Factor <span style="float: right;">&gt;4:1</span>								
		l) Output Distortion <span style="float: right;">&lt;3%</span>								
PROTECTION	m) Transient Recovery <span style="float: right;">Within 3 Cycles</span>									
	An Electronics Circuit with Digital Logics Continuously Searches for the following fault & Trips the System with Audio – Visual Indication.									
	a) Battery Over Voltage					b) Battery Under Voltage				
	c) Output AC Over Voltage					d) Output Overload/Short Circuit				
INDICATION	* Mains On * Load On Mains			* Load on Batteries * Battery Boost		* Battery Low * Battery Level Graph		* Inverter Overload * Load Level Graph		
METERING	Digital Metering Available for Output Voltage / Battery Voltage / Output Current / Output Frequency (Customized Metering Optional Available)									
AMBIENT CONDITIONS	a) Operating – 0 Deg. C – 50 Deg. C					b) Storage – 0 Deg. C – 60 Deg. C				
	c) Relative Humidity - 95% RH					d) Operating Altitude – up to 2000 Meters				
	e) Audible Noise					<span style="float: right;">&lt; 50db at 1 Meter up to 10 KVA &lt; 60db at 1 Meter Above 10 KVA</span>				
ISOLATION	Full inbuilt isolation between I/P & O/P by transformer at the output									
OPTIONAL FEATURES	* Static Bypass Switch * SNMP Interface / RS 232				* Remote on / off Panel * Hot Standby Mode			* Remote Indicator Panel * Parallel Redundant Mode		
CERTIFICATION	ISO 9001/ 2015									
	<ul style="list-style-type: none"> <li>The above systems are base on normal standards and can be customized as per specifications.</li> </ul>									