

# SEYON POWER SYSTEMS (P) LTD

Old No: 14/2, New No: 6/2, West Canal Bank Road, Kottur, Chennai – 600 085.

Ph: 044 – 6548 5556, 2441 8680, 95 430 95 939, 95 000 63 800.



## SEYON KL SERIES

### TECHNICAL SPECIFICATIONS

3KVA - 60KVA		
Input / Output Phase	Single Phase Input-Single Phase Output	Three Phase Input-Single Phase Output
KVA		5KVA - 60KVA
<b>CONVERTER</b>		
Technology	Switch Mode Rectifiers / Phase Controlled Rectifiers	
Primary Source Voltage		400 VAC 3 Phase (+/- 30%)
Output Characteristics	DC - Constant Voltage, Constant Current	
Power Device	IGBTs (Insulated Gate Bipolar Transistors)	
Protection	Advanced Electronic Protection for device safety backed up with MCBs/MCCBs and fast acting fuses. Soft start for 0-20 sec, power walk-in	
Input Power Factor	>0.95 with harmonic Suppression	
<b>INVERTER</b>		
Technology	3KVA - 60KVA DIGITAL SPWM IGBT Design	
DC Volts	48/72/96 / 120 /180/ 192 / 240 / 300 / 360 / 384 VDC	
Output Voltage	230 VAC 1 Phase	400 / 415 VAC 3 Phase
Output Frequency	50Hz (+/-0.1%)	
Output Waveform	Sinusoidal	
Harmonic Distortion	THD<2 % for linear Loads, < 5% for Non-Linear Loads	
Transient Response	For 100% step load change, +/- 5% and recovers to normal within 20 milliseconds	

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<b>Efficiency</b>	<b>85% – 92%</b>
<b>Crest Factor</b>	<b>3:1</b>
<b>Overload</b>	<b>125 % for 10 min, 150% for 1 min.</b>
<b>Power Factor</b>	<b>0.8 to Unity</b>
<b>Power Device</b>	<b>IGBTs (Insulated Gate Bipolar Transistors)</b>
<b>Protection</b>	<b>Advanced Electronic Protection for device safety backed up with MCBs/MCCBs and fast acting fuses. High speed pulse blanking. Electronic Over voltage / under voltage Protection. Electronic Over current trip with reset.</b>
<b>GENERAL</b>	
<b>Back-up</b>	<b>DC Source - SMF / Lead Acid Tubular / Ni – Cd</b>
	<b>Backup time - 15 min to 8 hours</b>
<b>Indications</b>	<b>Mains ON, Output ON, Converter ON, Converter trip, Fault, Bypass Mode, Battery Mode.</b>
<b>LCD</b>	<b>Input Voltage, DC volts, DC Current(Charge/discharge), AC Output Volts, AC Load Current, Output Freq, UPS Status.</b>
<b>Ambient Temperature</b>	<b>0-45 Deg.C</b>
<b>Relative Humidity</b>	<b>0-95% RH, Non-Condensing</b>
<b>Cooling</b>	<b>Forced Air</b>
<small>*As standards, Specification and designs change from time to time, Please ask for Conformation of the information given the publication.</small>	