

IGA SATURN

Powerful On-Line UPS



AN ISO 9001 : 2000 CERTIFIED COMPANY

- ▶ True On line with double conversion, IGBT, sinusoidal PWM Switching.
- ▶ Power Factor correction guarantees input power factor at 0.95
- ▶ DSP Technology guarantees high performance and reliability
- ▶ Smart RS-232 Communication Port with bundled smart UPS Monitoring Software
- ▶ Equipped with the comprehensive self-protection design
- ▶ Intelligent SNMP slot to allow communication among various operation systems and remote monitoring of the UPS
- ▶ Audible Alarm Mute
- ▶ Cold Start Function
- ▶ Auto self-testing System while turning on the UPS
- ▶ Maintenance bypass switch
- ▶ Built in Static bypass ensures uninterrupted transfer and re-transfer of load
- ▶ The Widest Input Voltage Range.



THE EXPERTS' CHOICE

TECHNICAL SPECIFICATION

MODEL	SATURN 1K -3KVA		SATURN-1K/KS*	SATURN-2 K/KS*	SATURN-3 K/KS*
CAPACITY	VA/W		1000VA / 700W	2000VA / 1400W	3000VA / 2100W
INPUT	Voltage		80 - 300 VAC		
	Voltage Range	(100%-70%/70%-60%/60%-50%/50%-40%/40%-0%)			
		Line Low Transfer	160 VAC / 140 VAC / 140 VAC / 118 VAC / 118 VAC		
		Line Low Comeback	175 VAC / 175 VAC / 155 VAC / 155 VAC / 135 VAC		
		Line High Transfer	300 VAC		
		Line High Comeback	285 VAC		
	Frequency Range	46 Hz - 54 Hz			
Phase	Single Phase				
Power Factor	≅ 0.99				
OUTPUT	Voltage		220 VAC / 230 VAC / 240 VAC		
	Voltage Regulation		± 1%		
	Frequency (Synchronized Range)		46 Hz - 54 Hz		
	Frequency (Battery Mode)		50 ± 0.2 Hz.		
	Crest Ratio		3:1		
	Harmonic Distortion		≤ 2% THD (Linear Load) ≤ 5% THD (Non - Linear Load)		
	Output Wave Form		Pure Sinewave		
EFFICIENCY	AC to AC		> 90%	> 91%	
BATTERY	Battery Rating		Standard:12V,7AH / Depending on required backup time		
	Number of Batteries		3	8	8
	Backup Time (Full Load)		15 mts - 5 Hrs. / Depending on Battery Rating		
	Recharge Time		5 - 8 Hrs to 90% Charge		
	Charging Current (Max.)		(1 - 8A) / Depending on Battery Rating		
	Charging Voltage		41.1 VDC ± 0.6 V	110 VDC ± 0.4V	
TRANSFER TIME	AC to DC		Zero Milli Seconds		
	Inverter to Bypass		Zero Milli Seconds		
INDICATOR	Status		Load Level / Battery Level / Battery mode / AC mode/ Bypass mode / Fault		
AUDIBLE ALARM	Battery Mode		Sounding every 4 seconds		
	Low Battery		Sounding every seconds		
	Over Load		Sounding twice every second		
	Fault		Continuously Sounding		
DIMENSION	(D x W x H) mm		400 x 145 x 220	460 x 192 x 340	
WEIGHT	Kgs.		13 / 7	32 / 15	33 / 16
ENVIRONMENT	Operating Temperature		0 - 40°C		
	Relative Humidity		20 - 90 % (non-condensing)		
	Noise Level		< 45 dB @1Meter	< 50 dB @1Meter	
INTERFACE	Smart RS - 232		Software supports Windows/95/98/NT/2000/XP, Novell&Linux		
	SNMP (Option)		Power Management from SNMP manager and web manager		

* Specifications subject to change without prior notice.

* KS series represent extended backup models

* All trademarks mentioned are the properties of their respective owners.

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ENERGY CONSERVATION THROUGH POWER ELECTRONICS