

## SALIENT FEATURES

Indications in the front panel using LEDs Built-in RS 232 port to support Windows and Linux family

Cold start facility Microprocessor controlled system

Self testing facility Built-in Maintenance Bypass for 6/10 kVA models Paralleling option upto 3 units for 6/10kVA models

Security SystemsControl PanelsAnalytical Equipments

- ATMs ■ VSAT POS Terminal Telecom - LAN/WAN Desktop PCs Servers

High frequency design
PWM Technology using IGBTs EMI/RFI protection

شركة ريم للبطاريات ومعدات الطاقة شرم ع م Reem Batteries & Power Appliances Co. SAOC



## **DEFENDER** TECHNICAL SPECIFICATIONS

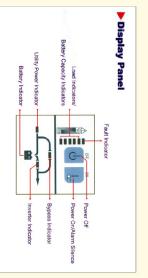
## Single Phase Input and Single Phase Output ONLINE UPS system

	INTERFACE			ENVIRONMENT	WEIGHT		DIMENSION					AUDIBLE TIME		AUDIBLE TIME		AUDIBLE TIME		AUDIBLE TIME		AUDIBLE TIME			TRANSFER TIME	CHARGING				BATTERY		EFFICIENCY								OUTPUT									INPUT	CAPACITY	MODEL
Smart RS-232 SNMP (option)	Smart RS-232	Noise Level	Relative Humidity	Operating Environment	Net Weight (with /without Battery)	Height (mm)	Depth (mm)	Width (mm)	Fault	Overload	Low Battery	Battery Mode	Status	inventer to Bypass	AC to DC	Voltage	Recharge Time	Backup Time (Full Load)	Numbers of Batteries	Battery Type	To Battery Mode	To AC Mode	Output Wareform		Harmonic Distortion	Current Cerst Ratio	Frequency (Battery Mode)	Frequency (Synchronized Range)	Voltage Regulation	Voltage	Power Factor	Phase	Frequency Range					Voltage Range	Voltage	VAW									
			ment	thout Battery)									•				Load)	ries						9	D	y Mode)	ronized Range)	5					Line High Comeback	Line High Transfer	Line Low Comeback	Line Low Transfer													
Software support Windows 95/96/NT/2000 XP, Novel, and Linux  Power management from SNMP management and web browser		<45dB @ 1 Meter			13kgs	220	400	145								41.Vdc ± 0.6V	5 hours to 90%	∞5minu:es	ω	12V/7Ah		85%		≆6% THD (Linear Load)	\$3% THD (Linear Load)															1000VA/700W									
		1 Meter			7kgs	0	0	G								± 0.6V	Chicago amining	external batteries	the canacity of	Facand on on				inear Load)	inear Load)											175	16	Based on load percentage (100%-70%) 70%-60% 50%-40% /40%-0%)	160 - 285YAC	1/700W									
		<50dB @ 1 Meter			32kgs									2.5 ms(Typical)	Zero		>5 hours to 90%	»9 minutes	00	12V/7Ah									±2%		100.85		46Hz-54Hz	285VAC	300VAC	5VAC/175VAC/155	DVAC/140VAC/140V			2000VA/1400W									
	Software support				15kgs	340	460	192			Sounding every second		Load Level / Battery	call		110Vdc ± 0.4V	Control output to	external batteries		12V/7AH		86%		47% THD ( Non Linear Load)	54% THD (Linear Load)				*		.95		54Hz	/AC	/AC	175VAC/175VAC/155VAC/155VAC/135VAC	160VAC/140VAC/140VAC/118VAC/118VAC			1400W									
	Windows 95/98/N7	Meter	20-90% ( Non-Condensing)	0-40	33kgs	0	ò	2	Continuously Sounding	Sounding twice every second		Sounding every 4 seconds	Load Level / Battery level / Battery Mode / AC Mode / Bypass Mode / Fault			±0.4V 274 dc ± 0.5V	38	×5minutes			83%		Sinewave	Linear Load)	near Load)	3:1	50±0.2Hz	48-54Hz		220VAC/230VAC/240VAC		Single phase with ground				ò	ò	entage (100%-70%)		3000VA/2100W									
	72000/XP, Novell,		condensing)		16kgs				ounding	ery second		seconds	AC Node / Bypass I				Control and Control and	external batteries	the canadate of								표	łz		C/240VAC		with ground						70%-60%/ 50%-409		/2100W									
	and Linux				84kgs	717	570	260					Mode / Fault				3 hours to 90 %	8 minutes	20	12V/7Ah																		% /40%-0%)		600CV/A									
		<55 dB @ 1 meter			37kgs									Zero			-	external batteries	Depending on the capacity of	Depending on		\$85%		\$8%THD (Non-Linear Load)	44% THD (Linear Load)				£3%		€0.97		46.5Hz-55Hz	266±1%VAC	276±1%VAC	185±1% VAC	176±1%VAC		176-276VAC	600CV/\(\sigma \)4200\(\sigma \)									
		meter			163kgs	980	640	340						0		0.5V	8 hours to 90 %	8 minutes	20	12V/9Ah		Pe		inear Load)	sar Load)				2		17		55Hz	VAC	VAC	VAC	VAC		6VAC	1C000VA/7000W									
					75kgs	0	10	6									SALEMEN INC. ATTAC	the capacity or	Depending or																					7000W									











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