

TECHNICAL SPECIFICATIONS

<b>UPS - SIGMA KL - KSL</b>		<b>S1</b>	<b>S2</b>	<b>S3</b>	<b>RM1</b>	<b>RM2</b>	<b>RM3</b>	<b>RM4</b>	<b>RM6</b>	
<b>INPUT</b>	POWER VA / W	1000 / 800	2000 / 1600	3000 / 2400	1000 / 800	2000 / 1600	3000 / 2400	4000 / 2800	6000 / 4200	
	Topology	On Line Double Conversion								
	Support input type	Inverter, generator								
	Input system	Single phase & earth ground								
	Rated voltage	220 / 230 / 240 VAC								
	Voltage range	138V to 300V (0~60% load);138~161V to 300V (60%~80% load); 161~184V to 300~286V (80%~100% load)								
	Frequency	50/60 Hz +/- 5 Hz (Auto sensing)								
	Power factor	>0.98 @ full load								
<b>OUTPUT</b>	Voltage range of bypass	230 VAC ± 10%(adjustable)								
	System	Single phase & earth ground								
	Waveform	Pure Sine Wave								
	Harmonic distortion	THD< 3% @ linear load / THD< =6% @ non-linear load								
	Rated voltage	220/230/240VAC								
	Voltage precision	±1%								
	Normal mode	45~55(adjustable)								
	Battery mode	50/60 ±0.1Hz								
	Inverter overload Capacity	Line Mode: Over 110% for 2mins,then transfer to bypass and alarm. Over 120% for 1s, then transfer to bypass and turn off output after 1min and alarm								
		Battery Mode: Over 110% for 30s,then turn off output and alarm. Over 120% for 1s, then turn off output and alarm.								
	Transfer time	0ms (Normal mode ⇌ Battery mode 3/4/6: 0ms (Normal mode ⇌ Bypass mode)								
Crest factor	3:1									
Efficiency	Inverter mode >93% / Battery mode >92% / ECO mode >97%									
<b>BATTERY</b>	Voltage VDC	24	72	96	24	48 - 72	96	120	144	
	Charge current	2A for Internal batteries; 6A max. (Adjustable)								
	Backup Time	Dependent on the capacity of batteries(Long backup time)								
	Battery charge time	Charger to 90% battery capacity in 3 hours (Standard) Dependent on the capacity of external batteries (Long backup time)								
<b>COMMUNICATE &amp; INTERFACE</b>	Interface port(s)	RS232+Dry contact (DB9)+USB(Optional)								
		-				SNMP slot / RJ45				
	LCD display	Information for Load / Battery / Input / Output and Operating Mode								
	Audible alarm	Actively audible alarm for utility failed/ battery low /overload condition								
	Silence switch	Yes								
EPO	Yes									
<b>ENVIRONMENTAL</b>	Operating temp.	0-1,500m @ 0-40°C / 1,501-3,000m @ 0-35 °C								
	Storage temp.	-20°C ~ 55°C								
	Relative humidity	0 ~ 95% humidity, non-condensing								
	Operating elevation	3,000 meters								
	Noise Level 1 Meter	<45dB	<50dB	<50dB	<45dB	<50dB	<50dB	<52dB	<56dB	
<b>PHYSICAL</b>	Installation	Rack & Tower (2-in-1)								
	Dimension UPS - DxWxH (mm)	395x110x260			454x19"x2U				454x19"x3U	
	Dimension BP - DxWxH (mm)	425x110x260			454x19"x2U				454x19"x3U	
	Net weight Standard (kg)	12	25	32	13	18	38	44	51	
<b>SAFETY</b>	CE	EMC direttiva 2004/108/EC: EN62040-2:2006, EN61000-6-1:2007, EN61000-6-3:2007 LVD direttiva 2006/95/EC: EN62040-1:2008, EN62040-3:2001								
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