



	HT1101S	HT1101L	HT1102S	HT1102L	HT1103S	HT1103L
<b>INPUT</b>						
<b>Cold Start</b>	YES, default frequency=50Hz or settable					
<b>Acceptable Input Voltage</b>	110VAC~288VAC					
	100% load@>176VAC					
	80% load@>154VAC					
	70% load@>132VAC					
	50% load@>110VAC					
<b>Phase</b>	Single phase in,single phase out					
<b>Transfer Voltage Range</b>	(200VAC/208VAC/220VAC/230VAC/240VAC)					
-Line low transfer	110VAC					
-Line low recovery	121VAC					
-Line high transfer	288VAC					
-Line high recovery	281VAC					
<b>Input Current</b>						
-Rating(nominal input voltage)	4.8A		9.6A		14.4A	
<b>Input Power Factor</b>	≥0.97					
<b>Input Frequency Range</b>	40~70Hz					
<b>OUTPUT</b>						
<b>Frequency adaptable</b>	Settable					
<b>Power</b>						
-Power(kVA) max	1		2		3	
-Power(kW) max	0.9(0.8 for 200VAC/208VAC)		1.8(1.6 for 200VAC/208VAC)		2.7(2.4 for 200VAC/208VAC)	
<b>Output Voltage</b>						
-Waveform(Bat. Mode)	Pure Sine Wave					
-Nominal voltage	200/208/220/230/240VAC					
-Voltage regulation	± 1 %					
-Transient response	≤5% (0% - 100% -0%)					
-Transient recovery	≤30ms (0% - 100% -0%)					
-Voltage distortion	≤2% THD, linear load					
	≤ 5.5% THD, non-linear load			≤ 5% THD, non-linear load		
<b>Output Frequency</b>						
-Synchronization range	±5Hz default					
-Battery mode	(50±0.1) Hz default					
<b>Transfer Time</b>						
-Line mode to battery mode	0					
-Inverter to bypass	2ms					
<b>Efficiency</b>						
-Line mode with battery full charged	89% @ 100% load, 87% @ 50% load		91% @ 100% load, 88% @ 50% load		90% @ 100% load, 90% @ 50% load	
-ECO mode	94.0%		97.0%		97.0%	
-Battery mode	83% @ 100% load, 84% @ 50% load		87% @ 100% load, 88% @ 50% load		87% @ 100% load, 89% @ 50% load	
<b>Noise(1m away)</b>	<43dB @ <60%load, <47dB @ >60%load		<45dB @ <60%load, <50dB @ >60%load		<45dB @ <60%load, <50dB @ >60%load	
<b>Overload Capability(Inverter)</b>	105%~130%: Transfer to bypass after 1 mins. 150%: Transfer to bypass after 30s					
<b>Overload Capability(Battery Mode)</b>	105%~130%:shutdown after 10s 150%:shutdown after 5s					
<b>Overload Capability (Bypass Mode)</b>	<130%: Long time >130%&<150%:Shutdown after 10min >150%&<180%:Shutdown after 5 seconds					
<b>Crest Ratio</b>	3:1					
<b>BATTERY</b>						
<b>Rating/Type</b>	12VDC/7Ah	Depend on the capacity of external batteries	12VDC/7Ah	Depend on the capacity of external batteries	12VDC/7Ah	Depend on the capacity of external batteries
<b>Quantity</b>	3		6		8	
<b>DC Voltage</b>	36VDC		72VDC		96VDC	
<b>Back-up Time</b>	6mins @80% load	Depend on the capacity of external batteries	6mins @80% load	Depend on the capacity of external batteries	5.5mins @80% load	Depend on the capacity of external batteries

<b>Battery-Low Voltage</b>	33VAC~35VDC depending on load		66VDC~70VDC depending on load		88VDC~94VDC depending on load	
<b>Charger</b>						
-Charging voltage	float:40.5VDC/boost:41.4VDC		float:81VDC/boost:82.8VDC		float:108VDC/boost:110.4VDC	
-Charging current (max)	1A	8A	1A	8A	1A	8A
-Charging time	8h recharge to 90%	Depend on the capacity of external batteries	8h recharge to 90%	Depend on the capacity of external batteries	8h recharge to 90%	Depend on the capacity of external batteries
<b>Leakage current</b>	<1mA		<1mA		<1mA	
<b>INDICATOR &amp; ALARM</b>						
-Display	LED+LCD					
-Alarm	two short one long					
-Fault	Continuous beeping					
<b>INTERFACE</b>						
-Smart RS232	Standard Cable					
-SNMP(option)	Power Managment from SNMP Manager and Web Browser					
<b>OPTION</b>						
-Intelligent Kits	DB9 port, dry contact					
-USB	B-type USB port					
-SNMP Kits	pluggable type					
<b>MECHANICAL</b>						
-W×D×H (mm)	144*353*228/144*364*228 (max)		190*375*336/190*387*336 (max)		190*427*336/190*439*336 (max)	
-W×D×H (mm)(shipment)	240*448*320		285*470*420		285*521*420	
-Net Weight (KG)	12	6	21	10.5	25.6	11.5
-Package Weight(KG)	13	7	22	12	27	13
<b>Color</b>	Black default					

**\*Products specifications are subject to change without further notice.**

**SC RAV POWER SISTEM SRL**

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