

GLORY RM8 Series

NON-Solar inverter

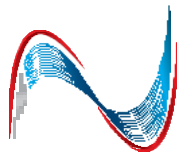
SINo	TESTING PARAMETERS	SPECIFICATIONS
A	BATTERY MODE	
A.1	No Load Current @ Switch OFF	as per Table 'A'
A.2	No Load Current @ Switch ON	as per Table 'A'
A.3	Battery Voltage @ No LOAD	12V (Per Battery)
A.4	Output Voltage @ No LOAD	230 ± 5V
A.5	Output Frequency @ No LOAD	50 ± 1Hz
A.6	Battery Voltage @ Full LOAD	> 10.8V (Per Battery)
A.7	Output Voltage @ Full LOAD	180 - 230V
A.8	Output Frequency @ Full LOAD	50 ± 1Hz
A.9	Battery Current @ Full LOAD	as per Table 'A'
A.10	Fan Run @ Very First Start Up	Fan Operates Properly
A.11	Power Factor	0.65
A.12	Short Circuit	> 300% Load
A.13	Crest Factor	≤ 300% Load

B	UPS MODE	
B.1	Low Cut With Phase Match	180 ± 5V
B.2	Low Cut Recovery With Phase Match	9-12V Hysterisis from > Low Cut Voltage
B.3	High Cut With Phase Match	270 ± 5V
B.4	High Cut Reovery With Phase Match	9-12V Hysterisis from < High Cut Voltage
B.5	Change Over Time From Mains To UPS	≤ 10msec
B.6	Change Over Time From UPS To Mains	≤ 7msec

C	NORMAL MODE	
C.1	Low Cut With Phase Match	90 ± 5V
C.2	Low Cut Recovery With Phase Match	9-12V Hysterisis > Low Cut Voltage
C.3	High Cut With Phase Match	290 ± 5V
C.4	High Cut Reovery With Phase Match	9-12V Hysterisis < High Cut Voltage
C.5	Change Over Time From Mains To UPS	≤ 20msec
C.6	Change Over Time From UPS To Mains	≤ 10msec
C.7	Mains Tap Cut Voltage	180 ± 5V
C.8	Mains Tap Recovery Voltage	9-12V Hysterisis > Tapping Cut Voltage

D	CHARGING MODE	
D.1	Low Charging Current @ 220V AC (NC)	as per Tabel 'A'
D.2	High Charging Current @ 220V AC (HC)	as per Tabel 'A'
D.3	Boost Charging Voltage (HC/NC)	as per Tabel 'B'
D.4	Float Charging Voltage (HC/NC)	13.7 ± .2V (Per Battery)

E	PROTECTIONS	
E.1	Over Load Protection with Alarm	as per Tabel 'A'; Shut Down After 6 Auto Retries;
E.2	Over Load Shut Down Reset	Through ON/OFF Switch & Mains
E.3	Battery Low Alarm	as per Table 'B' +(0.4) (Per Battery)
E.4	Battery Low Protection	As per Table 'B' (Per Battery);Shut Down After Zero Auto Retries;
E.5	Battery Low Shut Down Reset	Through ON/OFF Switch & Mains
E.6	Over Temperature Protection With Alarm	should be OK(90 ± 5 °C);
E.7	Short Circuit @ Mains Mode	AC Fuse Blown/Trip
E.8	Short Circuit Protection (Battery Mode)	Should be functional
E.9	Short Circuit Retry	One
E.10	Short Circuit Reset	Through ON/OFF Switch & Mains
E.11	Mains Fuse Trip	Should be functional



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F	EFFICIENT CURRENT AT LOW MAINS IN NORMAL MODE ONLY	
F.1	Charging Current @ 100V AC	> 8± 1A

TABEL 'A'							
System Rating	Specified Vdc	Max. NLC @ OFF State	Max. NLC @ ON State	Full LOAD DC Amp	Over Laod DC Amp	Charging Amp (NC)	Charging Amp (HC)
1100 VA (Al)	12V DC	≤ 180mA	≤ 2.5A	72 ± 1A	73 ± 1A	72% of High Charging	22 ± 1A
1300 VA (Al)	12V DC	≤ 180mA	≤ 2.5A	85 ± 1A	86 ± 1A		25 ± 1A
1600 VA (Al)	12V DC	≤ 180mA	≤ 2.5A	105 ± 2A	106 ± 2A		30± 1A
2200 VA (Al)	24V DC	≤ 200mA	≤ 2.2A	71 ± 1A	71 ± 2A		22 ± 1A
3200 VA (Al)	24V DC	≤ 200mA	≤ 2.5A	100± 2A	101± 2A		30± 1A

TABEL 'B'					
System Rating	P1 Battery Boost voltage Range	P2 Battery Boost voltage Range	P1 Battery Low cut Range	P2 Battery Low cut Range	High Charging current Range
1100 VA (Al)	14.0V	13.8 - 16.0V	10.5V	10.5-11.8V	15A-22A
1300 VA (Al)	14.0V	13.8 - 16.0V	10.5V	10.5-11.8V	17A-25A
1600 VA (Al)	14.0V	13.8 - 16.0V	10.5V	10.5-11.8V	20A-30A
2200 VA (Al)	28.0V	27.6 - 32.0V	21.0V	21.0-23.6V	15A-22A
3200 VA (Al)	28.0V	27.6 - 32.0V	21.0V	21.0-23.6V	20A-30A

NOTE:-

1 Battery profile 1(P1) : Battery low cut:10.5v; Battery boost voltage: 14.0V
2 Battery profile 2(P2) : Battery low cut:10.5v; Battery boost voltage: 14.4V
3 Battery equalizing up to 16.0V per Battery.
4 Normal Charging 72% of High Charging.