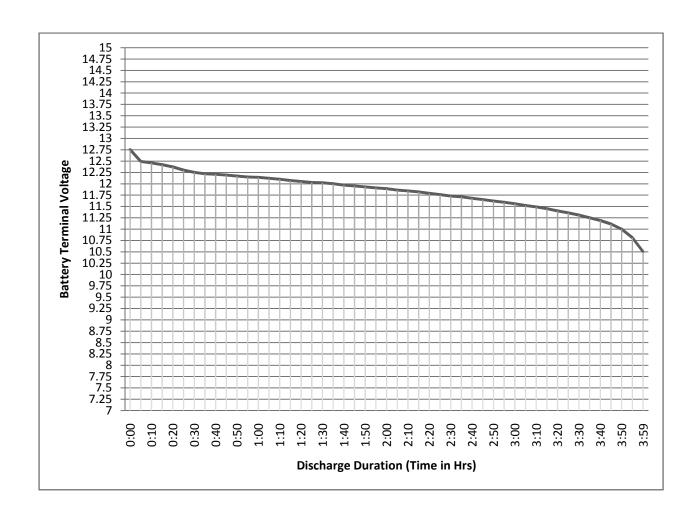
Test Parameters and Battery Information Table					
Battery Type	Sealed Maintenance Free Lead Acid Battery				
,	Brand : SUNCA				
Battery Rated Capacity	4.5 Ah, two 6V Battery in series = 12 V nominal				
	Purchased about 6 months back (September, 2015), about 10				
Battery History	partial discharges were done during this period, Battery was				
	charged few times with a 40 Wp Solar Panel and a Charge				
	Controller which has Panel Disconnect voltage 14.4 volts and				
	Battery Reconnect voltage of 13.3 volts. Battery has been Equalized				
	up to 15.5 volts few times				
Amb. Temp	21 degree C				
(before Test)					
Battery Terminal Voltage	12.97 volts (6.48 V + 6.49 V)				
(before Test)					
Discharge C –rate	C/5 (5 hrs test)				
Discharged Current					
Set Value :	900 mA (by user before starting test)				
Measured Value (a)	880 mA = 0.88 A (from Multimeter)				
Measured Value (b)	920 mA = 0.92 A (from Current Sensor)				
Specific Gravity	Not measured due to Sealed Battery Type				
Battery Test End	Reached 10.5 volts (1.75 per cell) before 5 hrs				
Condition					
Battery Terminal Voltage					
a. Just after Test	11.26 Volts (5.54 V + 5.72 V)				
(when load is released)					
b. After 30 minutes	11.71 Volts (5.84 V + 5.87 V)				
c. After 1 Hrs	11.78 Volts (5.87 V + 5.91 V)				
Amb. Temp	21.0 degree C				
(After Test)					

Manual Data		TEST Data Copied				
Records		from EEPROM				
During Test						
Time	Terminal	Time	Terminal	Time	Terminal	
Hrs	Voltage	Hrs	Voltage	Hrs	Voltage	
00:01	12.54	00:00	12.75	02:00	11.89	
00:05	12.49	00:05	12.49	02:05	11.86	
00:10	12.46	00:10	12.46	02:10	11.84	
00:15	12.42	00:15	12.42	02:15	11.82	
00:20	12.37	00:20	12.37	02:20	11.79	
00:25	12.31	00:25	12.30	02:25	11.76	
00:30	12.25	00:30	12.25	02:30	11.73	
00:35	12.22	00:35	12.22	02:35	11.71	
00:40	12.20	00:40	12.21	02:40	11.68	
00:45	12.19	00:45	12.19	02:45	11.65	
00:50	12.17	00:50	12.17	02:50	11.62	
00:55	12.15	00:55	12.15	02:55	11.59	
01:22	12.05	01:00	12.14	03:00	11.56	
01:30	12.02	01:05	12.12	03:05	11.52	
01:36	11.99	01:10	12.10	03:10	11.49	
01:45	11.95	01:15	12.07	03:15	11.45	
02:07	11.85	01:20	12.05	03:20	11.40	
02:23	11.77	01:25	12.03	03:25	11.36	
02:48	11.63	01:30	12.02	03:30	11.31	
02:51	11.61	01:35	12.00	03:35	11.25	
03:15	11.44	01:40	11.97	03:40	11.19	
03:30	11.31	01:45	11.95	03:45	11.11	
03:45	11.11	01:50	11.93	03:50	11.00	
03:59	10.50	01:55	11.91	03:55	10.81	
	STOPPED			03:59	10.50	



Calculation:

Battery Capacity (minimum) = 3.98hrs x 0.9 A = 3.585 Ah

Observation: