

- Grid Tied
- Off Grid
- Hybrid
- Backup

# Commissioning Log

Date:

Customer Name			
Customer Address			
Phone Number		Email	
Distributor/Dealer		Date of Purchase	
Company Address			
Phone Number		Email	

Battery Model			Installation Date	
Number of Batteries in Series		Number of Strings in Parallel	System Voltage	
Battery Date Code(s)			System Capacity (AH @20HR)	
			Low Voltage Disconnect (LVD)	
			Any additions/adjustments since battery install date	

CHARGE SOURCE(S):	Volts (V)	Watts (W)	Qty
<b>RENEWABLE</b>			
PV Panels			
Wind			
Other			
<b>AC</b>			
Generator			
Grid			
Other			

INVERTER/CHARGER INFORMATION:				
<b>CHARGER(S)</b>				
Make				
Model				
Output	Volts DC		Amps DC	
<b>INVERTER(S)</b>				
Make				
Model				
Input	Volts DC		Amps DC	

	CHARGE CONTROLLER SETTINGS			INVERTER/CHARGER SETTINGS	
	Volts (V)	Amps (A)	Time (HH:MM)	Volts (V)	Time (HH:MM)
Bulk					
Absorption					
Float					
Equalization					

**TOTAL AVERAGE DAILY POWER CONSUMPTION:**

KWH(AC)		KWH(DC)	
Number of Days Between Full Charge Cycle			

Details to your system information and user profile is mandatory to properly troubleshoot and ensure appropriate system set up. For assistance in completing non-battery related sections, please contact your system install/service technician and/or equipment manufacturer.

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Commissioning Date:

HAS A COMMISSIONING CHARGE BEEN PERFORMED?  Y  N

All readings should be taken with the battery stabilized on float charge.  
For charging parameters, please refer to our product user guide.  
Readings taken from Pos(+) to Neg(-) end of battery string.

AMBIENT TEMPERATURE (°C or °F): \_\_\_\_\_

Cell #	Temperature (°C or °F)	Open Circuit Voltage	Cell #	Temperature (°C or °F)	Open Circuit Voltage	Cell #	Temperature (°C or °F)	Open Circuit Voltage	Cell #	Temperature (°C or °F)	Open Circuit Voltage
1			15			29			43		
2			16			30			44		
3			17			31			45		
4			18			32			46		
5			19			33			47		
6			20			34			48		
7			21			35			49		
8			22			36			50		
9			23			37			51		
10			24			38			52		
11			25			39			53		
12			26			40			54		
13			27			41			55		
14			28			42			56		

STATE OF CHARGE AS A MEASURE OF OPEN CIRCUIT VOLTAGE:

Charge %	Cell Voltage	6 Volt	8 Volt	12 Volt
100%	2.14	6.42	8.56	12.84
75%	2.10	6.30	8.40	12.60
50%	2.03	6.09	8.12	12.18
25%	1.98	5.90	7.92	11.88
0%	1.94	5.82	7.76	11.64

INSPECTION CHECKLIST:

Terminal Connections (Clean, Torque)	<input type="checkbox"/>
Cable Connections (Clean, Corrosion-free)	<input type="checkbox"/>
Battery Container (Good Condition, No Leaks)	<input type="checkbox"/>

COMMISSIONING CHARGE:

A refresh charge (or "boost charge") is recommended before putting the batteries into service. The recommended charge parameters are as follows,

1. Charge current of 10-15A per 100 Ah C10 until 2.35 V/cell is reached (3-5 Hrs)
2. Charge at 2.35 V/cell until charge current tapers to 1A per 100 Ah C10
3. Continue charge at 1 A per 100 Ah C10 for 4 hours (voltage exceeds 2.35 V/cell)

Note: Do not allow temperatures to exceed 40°C (104°F), let batteries cool if necessary

Additional Notes/Observations: