Discover®
Innovative Battery Solutions

SYSTEM APPLICATION:

- ☐ Grid Tied
- ☐ Off Grid
- ☐ Hybrid
- ☐ Backup

Maintenance-free Valve Regulated Lead Acid Battery

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
RENEWABLE			
PV Panels			
Wind			
Other			
AC			
Generator			
Grid			
Other			

INVERTER/CHARGER INFORMATION:				
CHARGER(S)				
Make				
Model				
Output	Volts DC		Amps DC	
INVERTER(S)				
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					

REFER TO COMISSIONING DETAILS

Tubular Gel Cell	Page 2
Solar DRY CELL	Page 3

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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Service Engineer (Company/Name):	Customer (Name):
Signature:	Signature:

Tubular Gel Commissioning Log

HAS A COMMISSIONING CHARGE BEEN PERFORMED? ☐ Y ☐ N

AMBIENT TEMPERATURE (˚C or ˚F): _____

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.

Commissioning Date:

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 %	2V Nominal Cell Voltage
100%	2.11
75%	2.08
50%	2.04
25%	1.99
0%	1.96

INSPECTION CHECKLIST:

Terminal Connections (Clean, Torque)	☐
Cable Connections (Clean, Corrosion-free)	☐
Battery Container (Good Condition, No Leaks)	☐

COMMISSIONING CHARGE:

A refresh charge (or "boost charge") is recommended before putting the batteries into service. Allow the charger o go througha full charge cycle before they are used.

	2VDC	12VDC	24VDC	48VDC
Bulk & Absorption Charge Voltage	2.35V	14.1V	28.2V	56.4V
Recommended Charge Current	15% C10			
Time Limitation	12 hrs.			

Note: Do not allow temperatures to exceed 45˚C (113˚F), let batteries cool if necessary.
For more information, please visit www.discoverbattery.com

Additional Notes/Observations:

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Service Engineer (Company/Name):	Customer (Name):
Signature:	Signature:

Solar DRY CELL Commissioning Log

HAS A COMMISSIONING CHARGE BEEN PERFORMED? ☐ Y ☐ N

AMBIENT TEMPERATURE (˚C or ˚F): _____

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.

Commissioning Date:

Battery	Temperature (˚C or ˚F)	Open Circuit Voltage	Battery	Temperature (˚C or ˚F)	Open Circuit Voltage	Battery	Temperature (˚C or ˚F)	Open Circuit Voltage	Battery	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 %	6VDC	12VDC
100%	6.5	12.9
75%	6.3	12.6
50%	6.2	12.3
25%	6.0	12.0
0%	5.9	11.8

INSPECTION CHECKLIST:

Terminal Connections (Clean, Torque)	☐
Cable Connections (Clean, Corrosion-free)	☐
Battery Container (Good Condition, No Leaks)	☐

COMMISSIONING CHARGE:

A refresh charge (or "boost charge") is recommended before putting the batteries into service. Allow the charger to go through a full charge cycle before they are used.

	6VDC	12VDC	24VDC	48VDC
Bulk & Absorption Charge Voltage	7.2V	14.4V	28.8V	57.6V
Recommended Charge Current	Min. 10% C20 to Max. 25% C20			
Float Voltage	6.8V	13.5V	27.0V	54.0V

Note: Do not allow temperatures to exceed 45˚C (113˚F), let batteries cool if necessary.
For more information, please visit www.discoverbattery.com

Additional Notes/Observations:

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