

BATTERY MAINTENANCE

Rolls

BATTERY ENGINEERING



Rolls Battery system setup,
inspection and maintenance log

PURCHASE & INSTALLATION

QUANTITY:		MODEL:	
CUSTOMER:		PURCHASE DATE:	
PHONE:		INSTALLATION DATE:	
DISTRIBUTOR:		PHONE/EMAIL:	
INSTALLER:		PHONE/EMAIL:	
DATE CODE(S):			

SYSTEM & CHARGING PARAMETERS

SYSTEM VOLTAGE:	<input type="checkbox"/> 12V <input type="checkbox"/> 24V <input type="checkbox"/> 32V <input type="checkbox"/> 48V
CHARGE SOURCE:	
CHARGE OUTPUT:	AMPS
BULK VOLTAGE:	VOLTS
ABSORPTION VOLTAGE:	VOLTS
ABSORPTION TIME:	HH:MM
FLOAT VOLTAGE:	VOLTS
EQUALIZATION VOLTAGE:	VOLTS
EQUALIZATION TIME:	HH:MM

INITIAL BATTERY INSPECTION

INSPECTION CHECKLIST:	CHECK <input type="checkbox"/>	INSPECTION CHECKLIST: (cont'd)	CHECK <input type="checkbox"/>
No Shipping Damage	<input type="checkbox"/>	Cables (where applicable)	<input type="checkbox"/>
Batteries Clean & Dry	<input type="checkbox"/>	Specific Gravity	<input type="checkbox"/>
Electrolyte Levels	<input type="checkbox"/>	Voltage	<input type="checkbox"/>
Vent Caps	<input type="checkbox"/>	Terminal Polarity	<input type="checkbox"/>

SPECIFIC GRAVITY

CHARGE	100%	75%	50%	25%	0%
SPECIFIC GRAVITY	1.255-1.275	1.215-1.235	1.180-1.200	1.155-1.165	1.110-1.130

CHARGING PARAMETERS

3 PHASE CHARGING PARAMETERS			SYSTEM VOLTAGE		
CHARGE PHASE	TEMPERATURE	VOLTS/CELL	12 V	24 V	48 V
Bulk & Absorption	0-16°C	2.5V	15.0V	30.0V	60.0V
	Temp Compensation **	2.45V	14.7V	29.4V	58.8V
	17°C-27°C	2.4V	14.4V	28.8V	57.6V
	28°C-49°C	2.36V	14.6V	28.32V	56.64V
Float	2.19V		13.14V	26.28V	52.56V
Equalization*	2.58-2.67 (max)		15.5V-16.0V	31.0V-32.0V	61.9V-64.1V

*approximately 1/2 to 3/4 Absorption Time

**systems using temperature compensation

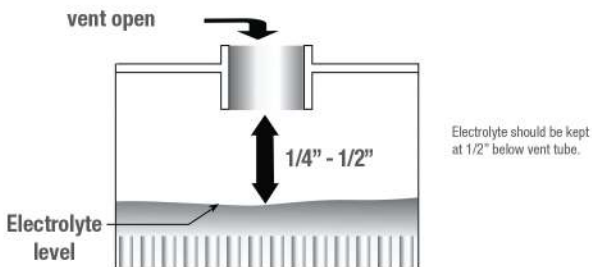
BATTERY CELL READINGS**DATE:**

Cell #	Specific Gravity	Voltage	Cell #	Specific Gravity	Voltage
1			25		
2			26		
3			27		
4			28		
5			29		
6			30		
7			31		
8			32		
9			33		
10			34		
11			35		
12			36		
13			37		
14			38		
15			39		
16			40		
17			41		
18			42		
19			43		
20			44		
21			45		
22			46		
23			47		
24			48		

INSPECTION

CHECKLIST:	CHECK <input type="checkbox"/>	CHECKLIST: (cont'd)	CHECK <input type="checkbox"/>
Batteries Clean & Dry	<input type="checkbox"/>	Terminals Connections	<input type="checkbox"/>
Vent Caps Tight	<input type="checkbox"/>	Hydrocaps	<input type="checkbox"/>
Electrolyte Levels Check & Top	<input type="checkbox"/>	Specific Gravity	<input type="checkbox"/>
Terminals Clean	<input type="checkbox"/>	Voltage	<input type="checkbox"/>

ELECTROLYTE LEVEL



⚠ Caution: Do not add water or electrolyte to cells before initial charging unless plates are exposed. If so, add distilled water until plates are submerged. Please contact Rolls Technical Support if you have any questions or concerns.

NOTES