

# Power Systems Electric, Inc.

## *Emergency Generator Systems*

885 S. RAILROAD ST.

MYERSTOWN, PA 17067-1516

PHONE (717) 933-5617

Persuent to Life Safety requirement of Weekly Battery Cell Specific Gravity testing.

Battery Testing using a Balkamp temperature compensated hand held Hydrometer.

- 1 Always wear appropriate protective gear. Such as but not limited to Gloves, Eye protection and any other items needed to prevent the possibility of coming in contact with battery acid.
- 2 Remove battery cell access covers.
- 3 Starting at cell nearest to positive post. Squeeze tester bulb, insert suction tub into first cell, release bulb and suction acid into tester until upper pointer is vertical.  
When tester is filled, record number to which indicator is pointing.  
Empty acid back into cell.
- 4 Repeat step 3 for each cell and record number for each cell.
- 5 Inspect water level in each cell and add distilled water as needed.
- 6 When finished replace battery cell access covers. Clean tester with clear water by suctioning and discharging several times.
- 7 Wipe up any acid that may have been dripped with a paper towel and dispose of properly.

Recorded test results =.

A good battery will have a specific gravity above 1.250 (note tester reads as 1250 without the decimal)

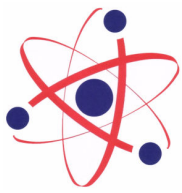
All cells should be approximately the same.

If any one cell reads below 1.200 battery is in imeadiate danger of failure.

If all cells read 1.250 or lower charger has failed.

Please report any tests of 1.250 or lower to [info@psegenerators.com](mailto:info@psegenerators.com) or call 800 875-6964 to have battery and or charger serviced.

For on-site training please contact us to schedule.



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Record Specific Gravity reading in each cell block  
Start nearest to positive terminal

Battery # \_\_\_\_\_

Battery Date \_\_\_\_\_

Cell >>>	1	2	3	4	5	6
Date						
Date						
Date						
Date						
Date						
Date						
Date						
Date						
Date						
Date						
Date						
Date						
Date						
Date						
Date						
Date						
Date						
Date						
Date						
Date						

Test readings above 1.250 = OK Below = Fail