

# POWER SONIC



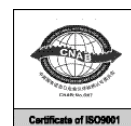
## RECHARGEABLE VRLA BATTERIES

### ENGINEERED WITH VISION. BUILT WITH CARE.

The Power-Sonic Corporation has been a leading force for 35 years in the supply of high quality cost effective batteries. Power-Sonic markets a staggering range of rechargeable sealed lead acid batteries worldwide. These batteries envelop a broad spectrum of electronic and industrial applications, either as the prime or standby power source. Engineers and buyers continue to insist on Power-Sonic batteries, wherever reliable and cost effective DC power is required.

Power-Sonic is dedicated to continual product development to improve the performance and reliability of our product range. New batteries are constantly being developed to meet the ever evolving needs of industry. We strive to produce batteries with superior performance characteristics and value, through advanced engineering and state-of-the art manufacturing processes, coupled with the use of premium raw materials.

Providing our customers with reliable, yet economical, products is the corner stone of the Power-Sonic mission.



# PS-SERIES: General Purpose Batteries

| Model         | Nominal Voltage V | Nominal Capacity A.H. | Current @ 20 hr. rate mA | Length |       | Width |     | Height |      | Ht. Over Terminal |      | Weight |       | Standard Terminals |
|---------------|-------------------|-----------------------|--------------------------|--------|-------|-------|-----|--------|------|-------------------|------|--------|-------|--------------------|
|               |                   |                       |                          | in.    | mm    | in.   | mm  | in.    | mm   | in.               | mm   | lbs.   | kgs.  |                    |
| PS-260        | 2                 | 6.0                   | 300                      | 1.97   | 50    | 1.34  | 34  | 3.94   | 100  | 4.13              | 105  | 0.86   | 0.39  | F1                 |
| PS-445        | 4                 | 4.5                   | 225                      | 1.89   | 48    | 2.09  | 53  | 3.70   | 94   | 3.86              | 98   | 1.40   | 0.65  | F2                 |
| PS-490        | 4                 | 9.0                   | 450                      | 3.97   | 101   | 1.73  | 44  | 3.74   | 95   | 4.02              | 102  | 2.50   | 1.14  | F2                 |
| PS-4100       | 4                 | 10.0                  | 500                      | 4.02   | 102   | 1.97  | 50  | 3.72   | 94.5 | 3.92              | 99.6 | 3.10   | 1.41  | F1                 |
| PS-605        | 6                 | 0.5                   | 25                       | 2.24   | 57    | 0.55  | 14  | 1.97   | 50   | 1.97              | 50   | 0.20   | 0.09  | WL                 |
| PS-610        | 6                 | 1.1                   | 55                       | 2.00   | 51    | 1.65  | 42  | 2.00   | 51   | 2.20              | 56   | 0.60   | 0.30  | F1                 |
| PS-612        | 6                 | 1.4                   | 70                       | 3.82   | 97    | 0.94  | 24  | 2.00   | 51   | 2.19              | 56   | 0.60   | 0.30  | F1                 |
| PS-628        | 6                 | 2.9                   | 145                      | 2.60   | 66    | 1.30  | 33  | 3.86   | 98   | 4.06              | 103  | 1.30   | 0.59  | F1                 |
| PS-630        | 6                 | 3.5                   | 175                      | 5.28   | 134   | 1.34  | 34  | 2.35   | 60   | 2.56              | 65   | 1.37   | 0.62  | F1                 |
| PS-632        | 6                 | 3.5                   | 175                      | 2.60   | 66    | 1.30  | 33  | 4.65   | 118  | 4.80              | 122  | 1.37   | 0.62  | F1                 |
| PS-640        | 6                 | 4.5                   | 225                      | 2.76   | 70    | 1.86  | 47  | 3.94   | 100  | 4.25              | 108  | 1.80   | 0.82  | F1                 |
| PS-650 L      | 6                 | 5.0                   | 250                      | 2.63   | 67    | 2.63  | 67  | 3.78   | 96   | 4.28              | 109  | 2.00   | 0.91  | F1 or SP           |
| PS-665        | 6                 | 6.5                   | 325                      | 3.86   | 98    | 2.20  | 56  | 4.05   | 103  | 4.06              | 103  | 2.10   | 0.95  | FP                 |
| PS-670        | 6                 | 7.0                   | 350                      | 5.95   | 151   | 1.34  | 34  | 3.70   | 94   | 3.94              | 100  | 2.80   | 1.27  | F1                 |
| PS-682        | 6                 | 9.0                   | 450                      | 3.86   | 96    | 2.20  | 56  | 4.65   | 118  | 4.65              | 118  | 3.35   | 1.52  | F1                 |
| PS-6100       | 6                 | 12.0                  | 600                      | 5.95   | 151   | 2.00  | 51  | 3.70   | 94   | 3.86              | 98   | 4.40   | 2.00  | F1 or F2           |
| PS-6120       | 6                 | 13.0                  | 650                      | 4.26   | 108   | 2.795 | 71  | 5.54   | 141  | 5.54              | 141  | 5.30   | 2.40  | FP                 |
| PS-6120 Toy   | 6                 | 13.0                  | 650                      | 4.26   | 108   | 2.795 | 71  | 5.54   | 141  | 5.54              | 141  | 5.30   | 2.40  | TS or TH           |
| PS-6200       | 6                 | 20.0                  | 1000                     | 6.18   | 157   | 3.27  | 83  | 4.92   | 125  | 4.92              | 125  | 7.52   | 3.41  | NB                 |
| PS-6360       | 6                 | 36.0                  | 1800                     | 6.25   | 159   | 3.35  | 85  | 6.50   | 165  | 6.95              | 177  | 13.70  | 6.20  | F2 or NB           |
| PS-6580       | 6                 | 58.0                  | 2900                     | 7.28   | 185   | 4.41  | 112 | 8.07   | 205  | 8.07              | 205  | 21.00  | 9.54  | F2                 |
| PS-62000      | 6                 | 210.0                 | 10500                    | 12.05  | 306   | 6.61  | 168 | 8.74   | 222  | 9.98              | 228  | 63.95  | 29.00 | B                  |
| PS-832        | 8                 | 3.2                   | 160                      | 5.29   | 134   | 1.42  | 36  | 2.49   | 63   | 2.70              | 69   | 1.90   | 0.86  | F1                 |
| PS-1208       | 12                | 0.8                   | 40                       | 3.78   | 96    | 0.98  | 25  | 2.42   | 62   | 2.42              | 62   | 0.80   | 0.36  | WL                 |
| PS-1212       | 12                | 1.4                   | 70                       | 3.82   | 97    | 1.69  | 43  | 2.05   | 52   | 2.28              | 58   | 1.32   | 0.60  | F1                 |
| PS-1220       | 12                | 2.5                   | 125                      | 7.01   | 178   | 1.38  | 35  | 2.36   | 60   | 2.56              | 65   | 2.20   | 1.00  | F1                 |
| PS-1221       | 12                | 2.0                   | 100                      | 5.63   | 143   | 0.94  | 24  | 2.56   | 65   | 2.56              | 65   | 1.32   | 0.60  | PC                 |
| PS-1221 S     | 12                | 2.0                   | 100                      | 5.94   | 151   | 0.79  | 20  | 3.50   | 89   | 3.50              | 89   | 1.50   | 0.68  | F1                 |
| PS-1223       | 12                | 2.3                   | 115                      | 7.17   | 182   | 0.94  | 24  | 2.42   | 62   | 2.42              | 62   | 1.68   | 0.76  | PC                 |
| PS-1228       | 12                | 2.8                   | 140                      | 5.24   | 133   | 1.30  | 33  | 3.82   | 97   | 4.09              | 104  | 2.60   | 1.18  | F1                 |
| PS-1229       | 12                | 2.9                   | 145                      | 7.01   | 178   | 1.34  | 34  | 2.36   | 60   | 2.56              | 65   | 2.60   | 1.18  | F1                 |
| PS-1230       | 12                | 3.4                   | 170                      | 5.28   | 134   | 2.64  | 67  | 2.36   | 60   | 2.60              | 66   | 2.90   | 1.32  | F1                 |
| PS-1238       | 12                | 3.8                   | 190                      | 7.68   | 195   | 1.85  | 47  | 2.76   | 70   | 2.79              | 76   | 3.75   | 1.70  | F1                 |
| PS-1250       | 12                | 5.0                   | 250                      | 3.54   | 90    | 2.76  | 70  | 3.98   | 101  | 4.21              | 107  | 3.75   | 1.70  | F1 or F2           |
| PS-1251 FP    | 12                | 5.4                   | 270                      | 5.50   | 139.7 | 1.89  | 48  | 4.02   | 102  | 4.06              | 103  | 4.20   | 1.90  | FP                 |
| PS-1270       | 12                | 7.0                   | 350                      | 5.95   | 151   | 2.56  | 65  | 3.70   | 94   | 3.86              | 98   | 5.70   | 2.59  | F1 or F2           |
| PS-1272       | 12                | 7.2                   | 360                      | 5.95   | 151   | 2.56  | 65  | 3.70   | 94   | 3.86              | 98   | 5.80   | 2.64  | F1 or F2           |
| PS-1282       | 12                | 9.0                   | 450                      | 3.86   | 98    | 4.40  | 112 | 4.65   | 118  | 4.65              | 118  | 6.90   | 3.14  | F1                 |
| PS-1290       | 12                | 9.0                   | 450                      | 5.95   | 151   | 2.56  | 65  | 3.70   | 94   | 3.86              | 98   | 6.10   | 2.77  | F2                 |
| PS-12100      | 12                | 12.0                  | 600                      | 5.95   | 151   | 4.00  | 102 | 3.70   | 94   | 3.86              | 98   | 8.80   | 4.00  | F1                 |
| PS-12120      | 12                | 12.0                  | 600                      | 5.95   | 151   | 3.86  | 98  | 3.70   | 94   | 3.94              | 100  | 8.50   | 3.86  | F2                 |
| PS-12180      | 12                | 18.0                  | 900                      | 7.13   | 181   | 3.00  | 76  | 6.59   | 167  | 6.59              | 167  | 12.60  | 5.70  | F2 or NB           |
| PS-12260      | 12                | 26.0                  | 1300                     | 6.54   | 166   | 6.88  | 175 | 4.95   | 126  | 4.95              | 126  | 18.00  | 8.18  | F2 or NB           |
| PS-12280      | 12                | 28.0                  | 1400                     | 6.54   | 166   | 4.95  | 126 | 6.89   | 175  | 6.89              | 175  | 21.40  | 9.70  | NB                 |
| PS-12350      | 12                | 35.0                  | 1750                     | 7.80   | 198   | 5.20  | 132 | 6.22   | 158  | 7.07              | 180  | 25.00  | 11.40 | NB                 |
| PS-12400      | 12                | 40.0                  | 2000                     | 7.76   | 197   | 6.50  | 165 | 6.69   | 170  | 6.69              | 170  | 30.50  | 14.09 | NB                 |
| PS-12550      | 12                | 55.0                  | 2750                     | 9.04   | 230   | 5.45  | 138 | 8.15   | 207  | 8.98              | 228  | 41.30  | 18.77 | U                  |
| PS-12750      | 12                | 75.0                  | 3750                     | 10.25  | 260   | 6.60  | 168 | 8.15   | 207  | 8.98              | 228  | 55.00  | 25.00 | U                  |
| PS-121000     | 12                | 100.0                 | 5000                     | 12.00  | 305   | 6.60  | 168 | 8.15   | 207  | 8.98              | 228  | 68.70  | 31.20 | U                  |
| PS-121100     | 12                | 110.0                 | 5500                     | 13.00  | 330   | 6.76  | 172 | 8.40   | 213  | 8.70              | 221  | 71.20  | 32.36 | B                  |
| PS-121400 FR* | 12                | 140.0                 | 7000                     | 13.50  | 343   | 6.75  | 171 | 10.80  | 275  | 11.15             | 283  | 102.00 | 46.36 | B                  |

\* FR: UL94 V-0 flame retardant case & cover

## PSH-SERIES: High-Rate Discharge Batteries

| Model        | Nominal Voltage V | Nominal Capacity A.H. | Current @ 20 hr. rate mA | Length |     | Width |    | Height |     | Ht. Over Terminal |     | Weight |      | Standard Terminals |
|--------------|-------------------|-----------------------|--------------------------|--------|-----|-------|----|--------|-----|-------------------|-----|--------|------|--------------------|
|              |                   |                       |                          | in.    | mm  | in.   | mm | in.    | mm  | in.               | mm  | lbs.   | kgs. |                    |
| PSH-655 FR   | 6                 | 5.5                   | 24 Watts/Cell**          | 2.76   | 95  | 1.85  | 47 | 3.94   | 100 | 4.17              | 106 | 2.10   | 0.95 | F1                 |
| PSH-1255 FR  | 12                | 6.0                   | 24 Watts/Cell**          | 3.54   | 90  | 2.76  | 70 | 3.98   | 101 | 4.21              | 107 | 4.19   | 1.90 | F2                 |
| PSH-1280 FR  | 12                | 8.5                   | 37 Watts/Cell**          | 5.95   | 151 | 2.56  | 65 | 3.70   | 94  | 3.86              | 98  | 6.00   | 2.72 | F1 or F2           |
| PSH-12100 FR | 12                | 10.5                  | 41 Watts/Cell**          | 5.95   | 151 | 2.56  | 65 | 4.37   | 111 | 4.61              | 117 | 7.00   | 3.18 | F2                 |
| PSH-12180 FR | 12                | 21.0                  | 77 Watts/Cell**          | 7.14   | 182 | 3.03  | 77 | 6.59   | 168 | 6.59              | 168 | 13.30  | 6.00 | NB                 |

## PSG-SERIES: Hawker Monobloc Replacement Batteries

|         |   |     |     |      |     |      |    |      |     |      |     |      |      |    |
|---------|---|-----|-----|------|-----|------|----|------|-----|------|-----|------|------|----|
| PSG-450 | 4 | 5.0 | 250 | 3.54 | 90  | 1.94 | 49 | 2.87 | 73  | 2.87 | 73  | 1.70 | 0.77 | F2 |
| PSG-480 | 4 | 8.0 | 400 | 3.54 | 90  | 1.94 | 49 | 4.00 | 102 | 4.00 | 102 | 2.50 | 1.14 | F2 |
| PSG-625 | 6 | 2.5 | 125 | 4.15 | 105 | 1.63 | 41 | 2.70 | 69  | 2.70 | 69  | 1.50 | 0.68 | F1 |
| PSG-650 | 6 | 5.0 | 250 | 5.28 | 134 | 1.94 | 49 | 3.00 | 76  | 3.00 | 76  | 2.50 | 1.14 | F2 |
| PSG-680 | 6 | 8.0 | 400 | 5.28 | 134 | 1.94 | 49 | 3.99 | 101 | 3.99 | 101 | 3.70 | 1.68 | F2 |




## PG-SERIES: Power-Guard Long Life Batteries

| Model        | Nominal Voltage V | Rated Capacity (A.H.) |       |       | Length |     | Width |     | Height |     | Ht. Over Terminal |     | Weight |      | Standard Terminals |
|--------------|-------------------|-----------------------|-------|-------|--------|-----|-------|-----|--------|-----|-------------------|-----|--------|------|--------------------|
|              |                   | 10-hr.                | 5-hr. | 1-hr. | in.    | mm  | in.   | mm  | in.    | mm  | in.               | mm  | lbs.   | kgs. |                    |
| PG-6V210 FR  | 6                 | 210                   | 180.5 | 126.0 | 12.70  | 322 | 7.00  | 178 | 8.98   | 228 | 9.21              | 234 | 71.7   | 32.5 | T8                 |
| PG-12V28 FR  | 12                | 28                    | 25.0  | 18.3  | 6.96   | 177 | 6.56  | 167 | 4.92   | 125 | 4.92              | 125 | 20.0   | 9.2  | T12                |
| PG-12V35 FR  | 12                | 33                    | 31.0  | 25.0  | 7.80   | 198 | 5.20  | 132 | 6.22   | 158 | 7.07              | 180 | 25.0   | 11.4 | T6                 |
| PG-12V42 FR  | 12                | 42                    | 36.0  | 25.2  | 7.76   | 197 | 6.50  | 165 | 6.69   | 170 | 6.69              | 170 | 32.0   | 15.4 | T6                 |
| PG-12V55 FR  | 12                | 56                    | 47.5  | 33.0  | 8.98   | 226 | 5.39  | 137 | 8.27   | 210 | 8.50              | 216 | 41.9   | 19.0 | T6                 |
| PG-12V65 FR  | 12                | 65                    | 56.0  | 39.0  | 13.70  | 348 | 6.57  | 167 | 7.00   | 178 | 7.00              | 178 | 49.0   | 22.2 | T6                 |
| PG-12V75 FR  | 12                | 75                    | 64.5  | 45.0  | 13.70  | 348 | 6.57  | 167 | 7.00   | 178 | 7.00              | 178 | 55.1   | 25.0 | T6                 |
| PG-12V75T FR | 12                | 75                    | 64.5  | 45.0  | 10.24  | 260 | 6.61  | 168 | 8.27   | 210 | 8.51              | 216 | 55.1   | 25.0 | T6                 |
| PG-12V92 FR  | 12                | 92                    | 79.0  | 55.2  | 12.05  | 306 | 6.61  | 168 | 8.27   | 210 | 8.51              | 216 | 66.2   | 30.0 | T6                 |
| PG-12V103 FR | 12                | 103                   | 88.5  | 61.8  | 12.99  | 330 | 6.81  | 173 | 8.35   | 212 | 8.66              | 220 | 70.5   | 32.0 | T6                 |
| PG-12V120 FR | 12                | 124                   | 106.5 | 74.4  | 16.14  | 410 | 6.97  | 177 | 8.86   | 225 | 8.86              | 225 | 82.9   | 37.6 | T6                 |
| PG-12V140 FR | 12                | 144                   | 120.4 | 84.0  | 13.50  | 344 | 6.73  | 171 | 10.79  | 274 | 11.02             | 280 | 102.0  | 46.3 | T6                 |
| PG-12V150 FR | 12                | 153                   | 131.5 | 91.8  | 19.09  | 485 | 6.69  | 170 | 9.53   | 242 | 9.53              | 242 | 106.3  | 48.2 | T8                 |
| PG-12V200 FR | 12                | 210                   | 180.5 | 126.0 | 20.55  | 522 | 9.45  | 240 | 8.58   | 218 | 8.82              | 224 | 141.1  | 64.0 | T8                 |

\* FR: UL94 V-0 flame retardant case & cover, \*\* Watts/cell @ 15 min. rate to 1.67V

## Terminal Options

- F1**  **FASTON**  
0.187" x 0.032"  
quick disconnect tabs.
- F2**  **FASTON**  
0.250" x 0.032"  
quick disconnect tabs
- FP**  **FASTON POLARIZED**  
Positive: "F2", Negative: "F1"

- SP**  **SPRING TERMINALS**  
Fully collapsible positive and negative contacts
- TH**  **TOY BATTERY CONNECTORS**  
H-connector PS-6120 TH
- TS**  **TOY BATTERY CONNECTORS**  
S-connector PS-6120 TS

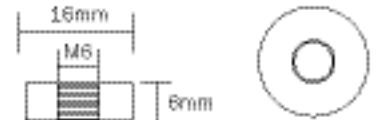
- WL** **INSULATED WIRE LEADS**  
+ Molex Housing 5264-02 & 5263-PBT plug on PS-605  
+ AMP Housing 1-480318-0 & 8118-1 on PS-1208

- PC** **PRESSURE CONTACTS**  
On PS-1221 & PS-1223 battery

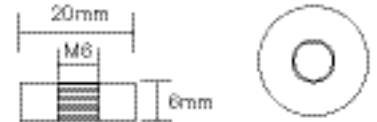
- NB**  **TERMINAL POSTS**  
With nut & bolt connectors

- U**  **UNIVERSAL AUTO POST**  
Automotive post with nut & bolt connectors

- B, T6** **THREADED INSERT - 6mm STUD**



- T8** **THREADED INSERT - 6mm STUD**



- T12** **THREADED INSERT - 5mm STUD**



# SLA CHARGERS: Automatic Switch-Mode and Float Chargers



## "F" Series:

Float chargers are designed to provide optimum life for batteries used in standby applications where charging is continuous. The chargers deliver a constant voltage of 2.25 to 2.30 volts per cell which allow the battery to seek its own current level and maintain itself in a fully charged condition. This series is best suited for burglar and fire alarm equipment, emergency lighting, memory protection, or UPS systems where the battery serves as back-up power to the AC source.

## "A-C" Series:

Automatic chargers are new "switching" type devices which operate without the use of transformers. I.C.'s control and regulate current and voltage and automatically switch from the higher fast charge voltage to the lower float voltage when batteries are very close to being fully charged. At the float voltage it is safe to leave the battery connected to the charger indefinitely, making charging pretty much fool-proof.

This type of charger is ideal for cyclic applications where recharge time is critical and timely charge termination cannot be counted on. This type of charger ensures optimum battery performance & service life.

| Model          | Output Voltage |             | Output Current<br>mA | Type<br>automatic | Dimensions: in. (mm) |            |           | Weight |       |
|----------------|----------------|-------------|----------------------|-------------------|----------------------|------------|-----------|--------|-------|
|                | nominal        | range       |                      |                   | Length               | Width      | Height    | lbs.   | grams |
| PSC-6250F      | 6              | 6.75-6.90   | 300                  | fixed volt. float | 2.20 (56)            | 1.96 (50)  | 1.88 (48) | 0.50   | 225   |
| PSC-6300A-C    | 6              | 6.75-7.35   | 300                  | dual rate         | 2.05 (52)            | 1.57 (40)  | 2.64 (67) | 0.21   | 94    |
| PSC-6500A-C    | 6              | 6.75-7.35   | 500                  | dual rate         | 2.05 (52)            | 1.57 (40)  | 2.64 (67) | 0.21   | 94    |
| PSC-61000A-C   | 6              | 6.75-7.35   | 1000                 | dual rate         | 2.24 (57)            | 1.73 (44)  | 3.23 (82) | 0.30   | 135   |
| PSC-64000A-C   | 6              | 6.75-7.35   | 4000                 | dual rate         | 5.43 (138)           | 2.83 (72)  | 1.65 (42) | 0.90   | 140   |
| PSC-12250F     | 12             | 13.50-13.80 | 250                  | fixed volt. float | 2.20 (56)            | 1.96 (50)  | 1.88 (48) | 0.50   | 225   |
| PSC-12300A-C   | 12             | 13.50-14.70 | 300                  | dual rate         | 2.05 (52)            | 1.57 (40)  | 2.64 (67) | 0.21   | 94    |
| PSC-12500F     | 12             | 13.50-13.80 | 500                  | fixed volt. float | 2.55 (65)            | 1.88 (48)  | 2.98 (76) | 0.80   | 361   |
| PSC-12500A-C   | 12             | 13.50-14.70 | 500                  | dual rate         | 2.24 (57)            | 1.73 (44)  | 3.23 (82) | 0.30   | 135   |
| PSC-12800A-C   | 12             | 13.50-14.70 | 800                  | dual rate         | 2.24 (57)            | 1.73 (44)  | 3.23 (82) | 0.30   | 135   |
| PSC-122000A    | 12             | 13.50-14.70 | 2000                 | dual rate         | 5.55 (140)           | 3.60 (91)  | 2.90 (74) | 3.80   | 1724  |
| PSC-124000A-C  | 12             | 13.50-14.70 | 4000                 | dual rate         | 5.43 (138)           | 2.83 (72)  | 1.65 (42) | 0.90   | 140   |
| PSC-1210000A-C | 12             | 13.50-14.70 | 10000                | dual rate         | 8.88 (220)           | 5.17 (131) | 3.33 (85) | 4.30   | 1950  |
| PSC-241000A-C  | 24             | 27.00-29.40 | 1000                 | dual rate         | 5.43 (138)           | 2.83 (72)  | 1.65 (42) | 0.90   | 140   |



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