

# THE ULTIMATE Battery Buyer's GUIDE 2025

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# THE Battery Buyer's Guide

We created the Battery Buyers Guide as a one stop guide for you to choose the correct battery for your specific application. This guide will save you time and money as our entire catalog is all in one place with direct product links to our website. Consider this your go-to digital reference guide for making quick and accurate battery selections.



## Why Choose TRC as Your Battery Solution Provider?

Whether you are starting a project, in the process of selecting batteries, simply need assistance or have questions on choosing the correct battery to support your application, TRC has a team of dedicated battery specialists to guide you in any stage of your project.

## When choosing a battery supplier, TRC Electronics stands above the competition for several reasons:



- **Wide Selection:** TRC Electronics offers a comprehensive range of batteries, including lithium-ion (LFP), and sealed lead-acid batteries (SLA), supporting numerous applications and industries.
- **Quality:** We provide high-quality, reliable batteries from trusted and reputable manufacturers. This ensures that you receive the most durable and efficient battery solutions.
- **Expertise and Support:** A dedicated team of knowledgeable battery experts. TRC Electronics will provide valuable advice and technical support, helping you select the right battery for your specific needs and troubleshooting any issues that may arise.
- **Competitive Pricing:** We offer competitive pricing on our battery solutions, ensuring you are providing the best value for your investment without compromising on quality.
- **Fast, Reliable and Safe Shipping:** TRC Electronics ensures prompt processing and shipping of all orders, minimizing downtime and helping keep your projects on track.
- **Customer Service:** We have a reputation for outstanding customer service, which means you will receive exceptional support throughout the purchasing process and beyond.

TRC Electronics offers a comprehensive blend of expert knowledge, exceptional customer support, and unmatched reliability, making us the ideal choice for your next battery selection.

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# Table of Contents

Sealed Lead Acid (SLA) Series	Battery Type	Applications	Voltages	PAGE
PS	General Purpose	General Use, Fire & Security Systems Standby, Emergency Lighting, UPS	4Vdc, 6Vdc, 12Vdc	4,5
PSH	General Purpose High Rate	Fire & Security Alarms, UPS, Data Centers	6Vdc, 12Vdc	6
PHR	High Rate	High Rate Discharge for UPS Systems	12Vdc	6
PGFT	Front Terminal Long Life	UPS, Telecom, Utility UPS	12Vdc	6
PG-2V	2V Long Life	Utility Control, Telecom, UPS	2Vdc	7
PG	Long Life	UPS, Telecom, Renewable Energy	6Vdc, 12Vdc	7
PDC	Deep Cycle AGM	Golf Carts, Solar, Wind, E-Mobility	12Vdc	8
DCG	Deep Cycle Gel	Golf Carts, Solar, Wind, E-Mobility	12Vdc	8
PS-AUX	Auxiliary Automotive	Cars, Golf Carts, Start-Stop Vehicles	12Vdc	8
DCM	Deep Cycle Marine	Marine Applications	12Vdc	9
DJM	General Purpose	General Use, Fire & Security Systems, Standby, Emergency Lighting, UPS	12Vdc	9
FT12	Communication Equipment	19" or 23" Data Center Rack Systems, Communication Systems, Power Systems, UPS Backup Power Supplies, Substation Systems	12Vdc	9
LiFePO4 (LFP) Series	Battery Type	Applications	Voltages	PAGE
PSL-FP	Power & Energy Cells	Industrial Applications Needing Quick Charging	3.2Vdc	10
PSL-SC	Series Compatible Lithium	High Capacity Applications, Higher Voltage	12.8Vdc	10
PSL-BT	Bluetooth Lithium	Hard to Access Locations, Remote Sites, Emergency Equipment Backup	12.8Vdc, 25.6Vdc, 38.4Vdc, 51.2Vdc	11
PAL	High Performance Lithium	Motorcycle, Scooter, ATV, Personal Watercraft, UTV	12.8Vdc	11
PSL	Medical Lithium	Medical, E-Mobility, Medical Carts, Telecom	12.8Vdc	12
PSL-HV	High Voltage Lithium	Golf Carts, Mobility, Solar, Home Energy, Sport & Recreation	51.2Vdc	12

**Terminal Types:**  
Page 13, 14

**Connectors/Wire Style:**  
Page 14



# Sealed Lead Acid (SLA) Battery Specifications and Ratings

Model	Nominal Voltage	Rated Capacity (Ah) 20 Hour	Dimensions: (Inches)				Weight (lbs.)	Terminal Type
			Length	Width	Height	Total Height		
PS-445 F2	4Vdc	4.5Ah	1.89	2.09	3.70	3.86	1.30	F2
PS-4100 F1	4Vdc	10Ah	4.01	1.97	3.70	3.85	2.50	F1
PS-610 F1	6Vdc	1Ah	2.00	1.65	2.00	2.20	0.55	F1
PS-612 F1	6Vdc	1.2Ah	3.82	0.94	2.00	2.20	0.64	F1
PS-621 F1	6Vdc	2Ah	1.69	1.46	2.99	2.99	0.75	F1
PS-628 F1	6Vdc	2.9Ah	2.60	1.30	3.86	4.06	1.30	F1
PS-632 F1	6Vdc	3.5Ah	2.60	1.30	4.65	4.80	1.57	F1
PS-630 F1	6Vdc	3.5Ah	5.28	1.34	2.35	2.56	1.37	F1
PS-640 F1	6Vdc	4.5Ah	2.76	1.86	3.94	4.17	1.79	F1
PS-650LF F1	6Vdc	5Ah	2.64	2.64	3.94	4.64	1.80	F1
PS-650LS SP	6Vdc	5Ah	2.64	2.64	3.78	4.29	1.72	SP
PS-670 F1	6Vdc	7Ah	5.95	1.34	3.70	3.94	2.42	F1
PS-682 F1	6Vdc	8.5Ah	3.86	2.20	4.65	4.72	3.35	F1
PS-6100 F1	6Vdc	12Ah	5.95	2.00	3.70	3.86	4.30	F1
PS-6100 F2	6Vdc	12Ah	5.95	2.00	3.70	3.86	4.30	F2
PS-6120 FP	6Vdc	13Ah	4.25	2.80	5.55	5.55	4.80	FP
PS-6200 NB2	6Vdc	20Ah	6.18	3.27	4.92	4.92	7.10	NB2
PS-6360 F2	6Vdc	36Ah	6.25	3.35	6.50	6.93	12.1	F2
PS-6580 F2	6Vdc	58Ah	7.28	4.41	8.07	8.07	19.5	F2
PS-62000 M6	6Vdc	210Ah	12.05	6.65	8.65	8.96	63.90	M6
PS-832 F1	8Vdc	3.2Ah	5.29	1.44	2.49	2.70	1.65	F1
PS-1208 WL	12Vdc	0.8Ah	3.78	0.98	2.44	2.44	0.77	WL
PS-1212 F1	12Vdc	1.4Ah	3.78	1.69	2.04	2.28	1.20	F1
PS-1221S F1	12Vdc	2Ah	5.91	0.80	3.52	3.52	1.50	F1
PS-1220 F1	12Vdc	2.5Ah	7.00	1.37	2.36	2.59	2.10	F1
PS-1228 F1	12Vdc	2.8Ah	5.24	1.30	3.82	4.09	2.60	F1
PS-1229L F1	12Vdc	2.9Ah	7.00	1.38	2.36	2.60	2.30	F1
PS-1227 F1	12Vdc	2.9Ah	3.11	2.20	3.90	4.13	2.40	F1
PS-1223 PC	12Vdc	2.10Ah	7.17	0.94	2.40	2.40	1.50	PC
PS-1230 F1	12Vdc	3.4Ah	5.24	2.64	2.36	2.60	2.90	F1
PS-1238 F1	12Vdc	3.8Ah	7.68	1.85	2.91	2.99	3.50	F1
PS-1250 F1	12Vdc	5Ah	3.54	2.76	3.98	4.21	3.06	F1
PS-1250 F2	12Vdc	5Ah	3.54	2.76	3.98	4.21	3.06	F2
PS-1270 F1	12Vdc	7Ah	5.95	2.56	3.70	3.86	4.80	F1
PS-1270 F2	12Vdc	7Ah	5.95	2.56	3.70	3.86	4.80	F2
PS-1280 F2	12Vdc	8Ah	5.95	2.56	3.72	3.90	5.60	F2
PS-1280 F1	12Vdc	8Ah	5.95	2.56	3.72	3.90	5.60	F1
PS-1290 F2	12Vdc	9Ah	5.95	2.56	3.70	3.86	6.00	F2

General Purpose

# Sealed Lead Acid (SLA) Battery Specifications and Ratings

Model	Nominal Voltage	Rated Capacity (Ah) 20 Hour	Dimensions: (Inches)				Weight (lbs.)	Terminal Type
			Length	Width	Height	Total Height		
PS-1290 NB1	12Vdc	9Ah	5.95	2.56	3.70	4.15	6.00	NB1
PS-1290HD F2	12Vdc	9Ah	5.95	2.56	3.68	3.90	5.30	F2
PS-12100H F2	12Vdc	10.5Ah	5.94	2.56	4.40	4.67	7.23	F2
PS-12120 F2	12Vdc	12Ah	5.94	3.86	3.66	3.86	8.1	F2
PS-12100 F2	12Vdc	12Ah	5.95	4.00	3.70	3.86	8.14	F2
PS-12120L FP	12Vdc	12Ah	8.45	2.75	5.75	5.75	8.80	FP
PS-12120 NB1	12Vdc	12Ah	5.94	3.86	3.66	4.09	8.1	NB1
PS-12100 F1	12Vdc	12Ah	5.95	4.00	3.70	3.86	8.14	F1
PS-12140 F2	12Vdc	14Ah	5.95	3.86	3.70	3.94	9.25	F2
PS-12180 M5	12Vdc	18Ah	7.13	3.00	6.59	6.59	12.32	M5
PS-12180 F2	12Vdc	18Ah	7.13	3.00	6.59	6.59	12.32	F2
PS-12180 NB2	12Vdc	18Ah	7.13	3.00	6.59	6.59	12.32	NB2
PS-12200 NB2	12Vdc	20Ah	7.13	3.00	6.57	6.57	13.09	NB2
PS-12200HD M6	12Vdc	21Ah	7.14	2.99	6.56	6.56	14.0	M6
PS-12240 FR	12Vdc	24Ah	6.54	6.93	4.92	4.92	15.9	F2
PS-12260 NB2	12Vdc	26Ah	6.56	6.97	4.92	4.92	17.60	NB1
PS-12260 M5	12Vdc	26Ah	6.56	6.97	4.92	4.92	17.60	M5
PS-12260 F2	12Vdc	26Ah	6.56	6.97	4.92	4.92	17.60	F2
PS-12280	12Vdc	28Ah	6.50	4.92	6.89	6.89	20.95	NB1
PS-12280 NB2	12Vdc	28Ah	6.50	4.92	6.89	6.89	20.95	NB1
PS-12330 M6	12Vdc	33Ah	7.72	5.14	6.22	7.00	23.0	NB3
PS-12330 NB3	12Vdc	33Ah	7.72	5.14	6.22	7.00	23.0	NB3
PS-12350 M6	12Vdc	35Ah	7.68	5.12	6.46	7.01	23.15	M6
PS-12350 NB3	12Vdc	35Ah	7.68	5.12	6.46	7.01	23.15	NB3
PS-12360	12Vdc	36Ah	6.34	3.43	6.65	6.65	11.3	F2
PS-12400 NB4	12Vdc	40Ah	7.76	6.50	6.69	6.69	29.1	NB4
PS-12400 M6	12Vdc	40Ah	7.76	6.50	6.69	6.14	29.1	M6
PS-12550 U	12Vdc	55Ah	8.90	5.31	8.15	9.02	37.62	U
PS-12550 M6	12Vdc	55Ah	8.90	5.31	8.15	9.02	37.62	M6
PS-12650 M6	12Vdc	65Ah	13.70	6.57	7.01	7.01	46.30	M6
PS-12750 M6	12Vdc	78.6Ah	10.24	6.69	7.95	8.74	53.24	M6
PS-12750 U	12Vdc	78.6Ah	10.24	6.69	7.95	8.74	53.24	U
PS-121000 U	12Vdc	100Ah	12.05	6.61	8.19	9.06	67.5	U
PS-121000 M6	12Vdc	100Ah	12.05	6.61	8.19	9.06	67.5	M6
PS-121100 M8	12Vdc	107Ah	13.00	6.81	8.35	8.66	70.56	M8
PS-121150	12Vdc	115.6Ah	11.06	10.51	8.15	8.27	33.0	POST
PS-121400 M8 FR	12Vdc	140Ah	13.50	6.73	10.80	11.15	99.00	T11
PS-122500 M8	12Vdc	260Ah	20.55	10.55	8.66	8.90	161.0	M8

General Purpose

# Sealed Lead Acid (SLA) Battery Specifications and Ratings

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## General Purpose High Rate

Model	Nominal Voltage	Rated Capacity (Ah) 20 Hour	Dimensions: (Inches)				Weight (lbs.)	Terminal Type
			Length	Width	Height	Total Height		
PSH-655 F1 FR	6Vdc	5.5Ah	2.76	1.85	3.94	4.17	2.10	F1
PSH-1255 F2 FR	12Vdc	6Ah	3.54	2.76	3.98	4.21	4.1	F2
PSH-1280 F2 FR	12Vdc	8.5Ah	5.95	2.56	3.72	3.90	5.75	F2
PSH-12100 F2 FR	12Vdc	10.5Ah	5.94	2.56	4.37	4.61	7.00	F2
PSH-12180 NB2 FR	12Vdc	21Ah	7.14	3.03	6.59	6.59	13.2	NB2

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## High Rate

Model	Nominal Voltage	Rated Capacity (Ah) 20 Hour	Dimensions: (Inches)				Weight (lbs.)	Terminal Type
			Length	Width	Height	Total Height		
PHR-1236 F2 FR	12Vdc	8.5Ah	5.95	2.56	3.68	3.90	5.30	F2
PHR-1290 M6 FR	12Vdc	21.2Ah	7.14	2.99	6.56	6.56	14.00	M6
PHR-12100 M5 FR	12Vdc	27Ah	6.46	4.92	6.89	6.50	20.9	M5
PHR-12150 M6 FR	12Vdc	36Ah	7.68	5.12	6.46	6.57	22.5	M6
PHR-12200 M6 FR	12Vdc	58Ah	9.02	5.43	7.87	7.99	38.1	M6
PHR-12300 M6 FR	12Vdc	82Ah	10.20	6.61	8.19	8.31	52.5	M6
PHR-12350 M6 FR	12Vdc	95Ah	12.00	6.61	8.15	8.27	60.4	M6
PHR-12400 M6 FR	12Vdc	110Ah	12.81	6.69	8.39	8.50	69.2	M6
PHR-12500 M6 FR	12Vdc	150Ah	13.19	6.77	10.83	10.94	92.6	M6
PHR-12550 M6 FR	12Vdc	155A	13.19	6.77	10.83	10.94	93.5	M6

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## Long Life - Front Terminal

Model	Nominal Voltage	Rated Capacity (Ah) 20 Hour	Dimensions: (Inches)				Weight (lbs.)	Terminal Type
			Length	Width	Height	Total Height		
PGFT-12V55 M6	12Vdc	60Ah	9.02	5.43	8.43	8.43	36.30	M6
PGFT-12V75 M6 FR	12Vdc	75Ah	13.70	6.57	7.01	6.34	52.25	M6
PGFT-12V110H M6 FR	12Vdc	110Ah	15.50	4.33	11.20	11.20	76.10	M6
PGFT-12V110H M6	12Vdc	110Ah	15.50	4.33	11.20	11.20	76.1	M6
PGFT-12V125 M6 FR	12Vdc	137.6Ah	21.69	4.33	11.30	11.30	89.3	M6
PGFT-12V150 M6	12Vdc	154Ah	13.50	6.73	10.79	11.02	99.00	M6
PGFT-12V180 M6 FR	12Vdc	190Ah	22.05	4.96	11.02	11.02	119.1	M6
PGFT-12V180 M6	12Vdc	190Ah	22.05	4.96	11.02	11.02	119.1	M6

General Purpose

High Rate

Long Life

# Sealed Lead Acid (SLA) Battery Specifications and Ratings

Model	Nominal Voltage	Rated Capacity (Ah) 20 Hour	Dimensions: (Inches)			Weight (lbs.)	Terminal Type
			Length	Width	Height Total Height		
PG-2V100 M6 FR	2Vdc	105Ah	6.69	2.83	8.43 x 8.43	12.8	M6
PG-2V200 M8	2Vdc	212Ah	6.69	4.33	13.70 x 13.26	29.8	M8
PG-2V250 M8 FR	2Vdc	270Ah	6.69	4.33	13.78 x 13.19	32	M8
PG-2V300 M8 FR	2Vdc	320Ah	6.69	5.91	13.77 x 13.34	41.5	M8
PG-2V600 M8	2Vdc	640Ah	11.81	6.89	13.77 x 13.34	80.7	M8
PG-6V210 M8 FR	6Vdc	208Ah	12.05	7.01	8.90 x 9.13	66.8	M8
PG-12V6 F2	12Vdc	5.4Ah	3.54	2.76	3.98 x 4.21	3.96	F2
PG-12V9 F2 FR	12Vdc	9Ah	5.95	2.56	3.68 x 3.92	5.56	F2
PG-12V9 F2	12Vdc	9Ah	5.95	2.56	3.68 x 3.92	5.56	F2
PG-12V12 F2	12Vdc	12Ah	5.95	3.86	3.74 x 3.98	8.49	F2
PG-12V30 M5	12Vdc	28Ah	6.54	6.93	4.92 x 4.92	18.5	M5
PG-12V28H M5	12Vdc	28Ah	6.54	6.93	4.92 x 4.92	18.5	M5
PG-12V28 M5 FR	12Vdc	28Ah	6.54	6.93	4.92 x 4.92	18.5	M5
PG-12V28 M5	12Vdc	28Ah	6.54	6.93	4.92 x 4.92	18.5	M5
PG-12V35 M6 FR	12Vdc	35Ah	7.68	5.12	6.46 x 6.57	23.6	M6
PG-12V35 M6	12Vdc	35Ah	7.68	5.12	6.46 x 6.57	23.6	M6
PG-12V40 M6	12Vdc	41.6Ah	10.04	3.82	7.99 x 28.67	52.25	M6
PG-12V45 M6	12Vdc	42Ah	7.76	6.50	6.69 x 6.14	31.97	M6
PG-12V45 M6 FR	12Vdc	42Ah	7.76	6.50	6.69 x 6.14	31.97	M6
PG-12V55S M6 FR	12Vdc	60Ah	9.02	5.43	8.43 x 8.43	36.30	M6
PG-12V55 M6 FR	12Vdc	60Ah	9.02	5.43	8.43 x 8.43	36.30	M6
PG-12V55 M6	12Vdc	60Ah	9.02	5.43	8.43 x 8.43	36.30	M6
PG-12V65 M6 FR	12Vdc	63.6Ah	10.24	6.61	8.27 x 8.50	45.64	M6
PG-12V65 M6	12Vdc	63.6Ah	10.24	6.61	8.27 x 8.50	45.64	M6
PG-12V75 M6 FR	12Vdc	75Ah	13.70	6.57	7.01 x 6.34	52.25	M6
PG-12V75 M6	12Vdc	75Ah	13.70	6.57	7.01 x 6.34	52.25	M6
PG-12V80 M6	12Vdc	78Ah	10.20	6.61	8.19 x 8.43	50.05	M6
PG-12V75T M6 FR	12Vdc	78Ah	10.20	6.61	8.19 x 8.43	50.05	M6
PG-12V100 M6 FR	12Vdc	98.8Ah	12.00	6.61	8.19 x 8.43	67.5	M6
PG-12V100 M6	12Vdc	98.8Ah	12.00	6.61	8.19 x 8.43	67.5	M6
PG-12V103 M8 FR	12Vdc	103Ah	13.00	6.80	8.35 x 8.40	70	M8
PG-12V110 M8 FR	12Vdc	113.2Ah	12.99	6.81	8.35 x 8.66	68.8	M8
PG-12V100 M6 FR	12Vdc	113.2Ah	12.99	6.81	8.35 x 8.66	68.8	M8
PG-12V130 M8 FR	12Vdc	126Ah	16.10	6.97	8.86 x 8.86	80.0	M8
PG-12V130 M8	12Vdc	126Ah	16.10	6.97	8.86 x 8.86	80.0	M8
PG-12V140 M8 FR	12Vdc	147Ah	13.6	6.77	10.79 x 11.02	100.3	M8
PG-12V140 M8	12Vdc	147Ah	13.6	6.77	10.79 x 11.02	100.3	M8
PG-12V160 M8	12Vdc	152.2Ah	19.00	6.69	9.39 x 8.81	101.9	M8
PG-12V160 M8 FR	12Vdc	152.2Ah	19.00	6.69	9.39 x 8.81	101.9	M8
PG-12V220 M8 FR	12Vdc	210Ah	20.60	9.45	8.58 x 8.81	137.3	M8
PG-12V250 M8	12Vdc	262Ah	20.60	10.60	8.66 x 8.90	168.7	M8



# Sealed Lead Acid (SLA) Battery Specifications and Ratings

Deep Cycle

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## Deep Cycle AGM

Model	Nominal Voltage	Rated Capacity (Ah) 20 Hour	Dimensions: (Inches)				Weight (lbs.)	Terminal Type
			Length	Width	Height	Total Height		
PDC-1285 F2	12Vdc	8.5Ah	5.94	2.56	3.72	3.94	6.10	F2
PDC-12140 F2	12Vdc	14Ah	5.96	3.92	3.82	3.98	9.50	F2
PDC-12200 M5	12Vdc	21Ah	7.14	3.03	6.44	6.56	15.0	M5
PDC-12260 NB2	12Vdc	27.8Ah	6.54	6.89	4.92	4.92	20.6	NB2
PDC-12350 NB3	12Vdc	35Ah	7.68	5.12	6.46	7.09	25.0	NB3
PDC-12400 M6	12Vdc	40Ah	7.76	6.50	6.69	6.69	32.0	M6
PDC-12480 M6	12Vdc	48Ah	7.76	6.50	6.69	6.69	32.0	M6
PDC-12600 U	12Vdc	60Ah	9.04	5.45	8.27	9.06	39.0	U
PDC-12600 M6	12Vdc	60Ah	9.04	5.45	8.27	9.06	39.0	M6
PDC-12800 U	12Vdc	80Ah	10.24	6.61	8.27	9.06	50.0	U
PDC-121050 M6	12Vdc	105Ah	12.01	6.61	8.27	9.02	65.27	M6
PDC-121000 U	12Vdc	100Ah	12.05	6.61	8.27	8.50	61.0	U
PDC-121000 M6	12Vdc	100Ah	12.05	6.61	8.27	8.50	61.0	M6
PDC-121250 M8	12Vdc	125Ah	12.99	6.81	8.35	8.66	69.20	M8
PDC-121300 M8	12Vdc	128.6Ah	16.06	6.97	8.86	8.86	82.2	M8
PDC-122000 M8	12Vdc	214Ah	20.55	9.45	8.58	8.82	138.0	M8
PDC-122500 M8	12Vdc	260Ah	20.55	10.55	8.66	8.90	161.0	M8

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## Deep Cycle Gel

Model	Nominal Voltage	Rated Capacity (Ah) 20 Hour	Dimensions: (Inches)				Weight (lbs.)	Terminal Type
			Length	Width	Height	Total Height		
DCG12-38 M6	12Vdc	38Ah	7.76	6.50	6.69	6.69	29.1	M6
DCG12-50 M6	12Vdc	50Ah	9.02	5.45	8.07	8.31	36.8	M6
DCG12-70 M6	12Vdc	70Ah	10.24	6.61	8.27	8.98	51.0	M6
DCG12-100 M8	12Vdc	100Ah	12.99	6.81	8.35	8.66	68.0	M8

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## Auxiliary Automotive

Model	Nominal Voltage	Rated Capacity (Ah) 20 Hour	Dimensions: (Inches)				Weight (lbs.)	Terminal Type
			Length	Width	Height	Total Height		
PS-AUX12	12Vdc	10Ah	5.91	3.43	5.12		7.98	Post
PS-AUX14	12Vdc	12Ah	5.91	3.43	5.71		9.50	Post

Aux Automotive



# Sealed Lead Acid (SLA) Battery Specifications and Ratings

**POWERPS**SONIC

## Deep Cycle Marine

Deep Cycle Marine

Model	Nominal Voltage	Rated Capacity (Ah) 20 Hour	Dimensions: (Inches) Length Width Height Total Height	Weight (lbs.)	Terminal Type
DCM-12800-G24	12Vdc	79Ah	10.24 x 6.61 x 8.19 x 9.17	50.72	SAE: Dual Terminal
DCM-12900-G27	12Vdc	92Ah	12.05 x 6.61 x 9.19 x 9.11	62.84	SAE: Dual Terminal
DCM-121050-G31	12Vdc	105Ah	12.99 x 6.81 x 8.35 x 9.27	67.47	SAE: Dual Terminal



## General Purpose

# Sealed Lead Acid (SLA) Battery Specifications and Ratings

Model	Nominal Voltage	Rated Capacity (Ah) 20 Hour	Dimensions: (Inches) Length Width Height Total Height	Weight (lbs.)	Terminal Type
DJM1238	12Vdc	38Ah	7.75 x 6.50 x 6.69 x 6.69	28.0	M6
DJM1265	12Vdc	65Ah	13.7 x 6.58 x 7.00 x 7.00	46.3	M6
DJM12100	12Vdc	100Ah	13.0 x 6.81 x 8.35 x 8.66	61.7	M8



## Suitable for 19" or 23" Data Center Rack Systems

# Sealed Lead Acid (SLA) Battery Specifications and Ratings

Model	Nominal Voltage	Rated Capacity (Ah) 20 Hour	Dimensions: (Inches) Length Width Height Total Height	Weight (lbs.)	Terminal Type
FT12-40	12Vdc	40Ah	10.9 x 4.17 x 8.74 x 8.74	32.2	M6
FT12-100	12Vdc	100Ah	15.5 x 4.33 x 11.2 x 11.2	67.2	M6
FT12-150	12Vdc	150Ah	21.7 x 4.33 x 11.3 x 11.3	97.4	M6

Sealed Lead Acid (SLA)

**POWERPS SONIC** Power & Energy Cells

**LiFePO4 (LFP) Battery Specifications and Ratings**

Model	Nominal Voltage	Rated Capacity (Ah) 20 Hour	Dimensions: (Inches)				Weight (lbs.)	Terminal Type
			Length	Width	Height	Total Height		
PSL-FP-IFR18650PC	3.2Vdc	1.1Ah	L2.60	D0.72	BD0.30	0.09	N/A	
PSL-FP-IFR18650EC	3.2Vdc	1.5Ah	L2.56	D0.72	BD0.30	0.09	N/A	
PSL-FP-IFR26650PC	3.2Vdc	2.3Ah	L2.58	D0.99	BD0.59	0.19	N/A	
PSL-FP-IFR26650EC	3.2Vdc	3.4Ah	L2.58	D0.99	BD0.59	0.19	N/A	
PSL-FP-IFP2770180EC	3.2Vdc	25Ah	Laser Weld Terminal: H6.65 x D1.57 x T1.06 x W2.76			4.37	M6 Screw Bolt or Laser Weld Plate	
			Screw Bolt Terminal: H7.09 x D1.52 x T1.06 x W2.76					

**POWERPS SONIC** Series Compatible

**LiFePO4 (LFP) Battery Specifications and Ratings**

Model	Nominal Voltage	Rated Capacity (Ah) 20 Hour	Dimensions: (Inches)				Weight (lbs.)	Terminal Type
			Length	Width	Height	Total Height		
PSL-SC-1270 F2	12.8Vdc	7.2Ah	5.94	2.55	3.74	2.0	F2	
PSL-SC-1290 F2	12.8Vdc	9Ah	5.94	2.55	3.74	2.1	F2	
PSL-SC-12110	12.8Vdc	10Ah	5.94	3.90	4.00	2.9	F2	
PSL-SC-12100 F2	12.8Vdc	10Ah	5.94	3.90	4.00	2.9	F2	
PSL-SC-12120 F2	12.8Vdc	12Ah	5.90	3.90	4.00	3.6	F2	
PSL-SC-12200 M6	12.8Vdc	20Ah	7.12	3.0	6.5	5.7	M6	
PSL-SC-12200 NB1	12.8Vdc	20Ah	7.1	3.0	6.5	5.7	NB1	
PSL-SC-12350-GU1 M8	12.8Vdc	35Ah	7.7	5.2	6.7	9.7	T11	
PSL-SC-12500 M8	12.8Vdc	50Ah	7.80	6.50	6.70	13.9	T11	
PSL-SC-12750-G24 M8	12.8Vdc	75Ah	10.2	6.60	8.60	20.5	T11	
PSL-SC-12800-G27 M8	12.8Vdc	80Ah	12.1	6.60	8.70	22.3	T11	
PSL-SC-121000-G31 M8	12.8Vdc	100Ah	12.95	6.77	8.80	28.2	T11	
PSL-SC-121000-G27 M8	12.8Vdc	100Ah	12.08	6.61	8.70	28.2	T11	
PSL-SC-121250-G31 M8	12.8Vdc	125Ah	12.95	6.77	8.80	33.3	T11	
PSL-SC-122000-G8D M8	12.8Vdc	200Ah	20.5	10.6	9.0	53.4	T11	
PSL-SC-123000-G8D M8	12.8Vdc	300Ah	20.5	10.6	9.0	77.8	T11	

**POWERPSONIC Bluetooth**

**LiFePO4 (LFP) Battery Specifications and Ratings**

Model	Nominal Voltage	Rated Capacity (Ah) 20 Hour	Dimensions: (Inches)				Weight (lbs.)	Terminal Type
			Length	Width	Height	Total Height		
PSL-BTC-1290 F2	12.8Vdc	9Ah	5.94	2.55	3.74	2.64	F2	
PSL-BTC-12120 F2	12.8Vdc	12Ah	5.94	3.87	3.74	3.53	F2	
PSL-BT-12200 M6	12.8Vdc	20Ah	7.12	2.99	6.49	6.61	M6	
PSL-BTP-12500 M8	12.8Vdc	50Ah	7.71	6.51	6.85	14.3	M8	
PSL-BT-12750-G24	12.8Vdc	75Ah	10.2	6.6	8.6	20.5	M8	
PSL-BT-121000-G27	12.8Vdc	100Ah	12.1	6.6	8.7	28.2	M8	
PSL-BT-121250-G31	12.8Vdc	125Ah	13.0	6.8	8.8	33.3	M8	
PSL-BTP-121500 M8	12.8Vdc	150Ah	19.09	6.69	9.44	44.44	M8	
PSL-BTP-121250 M8	12.8Vdc	125Ah	12.51	6.51	8.46	33	M8	
PSL-BTP-122000 M8	12.8Vdc	200Ah	19.03	6.69	9.48	54.56	M8	
PSL-BTP-123000 M8	12.8Vdc	300Ah	20.47	10.55	8.72	82.94	M8	
PSL-BT-24400-G24	25.6Vdc	40Ah	10.2	6.6	8.6	20.5	M8	
PSL-BT-24500-G27	25.6Vdc	50Ah	12.1	6.6	8.7	28.2	M8	
PSL-BTP-24500 M8	25.6Vdc	50Ah	12.51	6.49	8.46	27.06	M8	
PSL-BT-24600-G31	25.6Vdc	60Ah	13.0	6.8	8.8	33.3	M8	
PSL-BTP-241000 M8	25.6Vdc	100Ah	19.03	6.69	9.48	54.56	M8	
PSL-BT-36400-G31	38.4Vdc	40Ah	13.0	6.8	8.8	33.3	M8	
PSL-BT-48320-GC2	51.2Vdc	32Ah	10.25	7.12	10.25 x 11.00	36.3	Dual M8	

Bluetooth Lithium

**POWERPSONIC Hyper Sport Pro**

**LiFePO4 (LFP) Battery Specifications and Ratings**

Model	Nominal Voltage	Rated Capacity (Ah) 20 Hour	Dimensions: (Inches)				Weight (lbs.)	Terminal Type
			Length	Width	Height	Total Height		
PAL7ZSHY	12.8Vdc	2.96Ah	4.49	2.76	4.13	1.32	Post	
PAL5LHY	12.8Vdc	2.96Ah	4.49	2.76	4.13	1.32	Post	
PAL9HY	12.8Vdc	3.28Ah	5.87	3.43	3.70	3.1	Post	
PAL14ZSHY	12.8Vdc	5.0Ah	5.87	3.43	3.70	2.2	Post	
PAL12HY	12.8Vdc	5.93Ah	5.87	3.43	3.70	2.2	Post	

High Performance Lithium

**POWERPSONIC Medical**

**LiFePO4 (LFP) Battery Specifications and Ratings**

Model	Nominal Voltage	Rated Capacity (Ah) 20 Hour	Dimensions: (Inches)			Weight (lbs.)	Terminal Type
			Length	Width	Height Total Height		
PSL-12500 M6	12.8Vdc	51.4Ah	7.70	5.20	7.20	12.98	M6

**POWERPSONIC High Voltage**

**LiFePO4 (LFP) Battery Specifications and Ratings**

Model	Nominal Voltage	Rated Capacity (Ah) 20 Hour	Dimensions: (Inches)			Weight (lbs.)	Terminal Type
			Length	Width	Height Total Height		
PSL-HV-48300-GC2	51.2Vdc	30Ah	10.25	7.10	9.25	36.6	Anderson Wire Leads



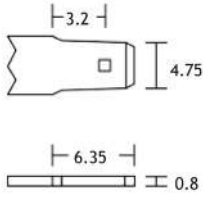
Use this Battery Buyer's Guide as a resource to select the proper battery for your application.

If you have any additional questions or were unable to find what you were looking for, please give us a call and speak to one of our battery specialists. Our team will provide you with assistance in sourcing the right battery.

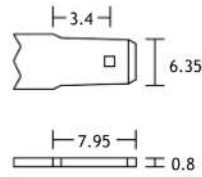
**Call 888-612-9514**



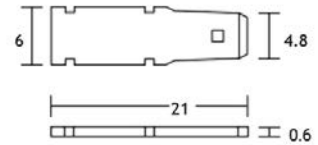
# Terminal Types



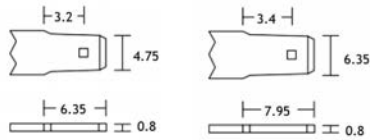
**Type: F1 FASTON**  
0.1875" x 0.032"  
Quick Disconnect Tabs



**Type: F2 FASTON**  
0.250" x 0.032"  
Quick Disconnect Tabs



**Type: F1/0 FASTON CONNECTOR**



**Type: FP FASTON POLARIZED**  
Positive: F2  
Negative: F1

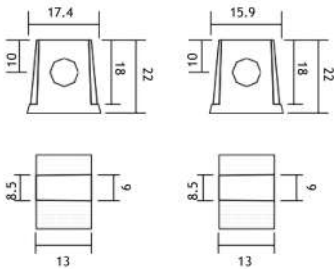


**Type: SP SPRING TERMINALS**  
Fully Collapsible Positive and Negative Contacts



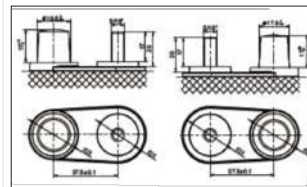
**Type: PC PRESSURE CONTACTS**  
The terminal on a PC battery is usually on the side. This battery is commonly used in medical devices.

**POSITIVE**      **NEGATIVE**

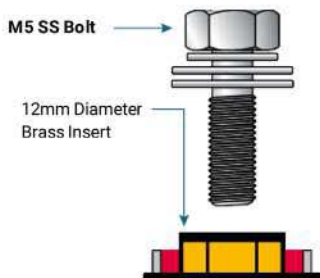


Torque: 11.0~14.7 Nxm

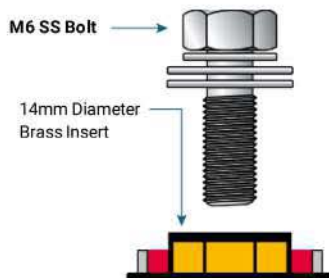
**Type: U Terminal** U terminal stands for Universal Automotive Post. This type of battery has a battery post with nut and bolt connectors.



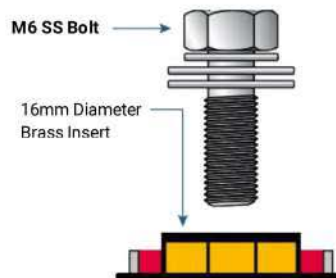
**Type: SAE DUAL TERMINAL**  
This terminal type has an Automotive Post and a Stud (5/16"). You can make the connection using either a traditional pressure contact or a ring terminal and wing nut connection.



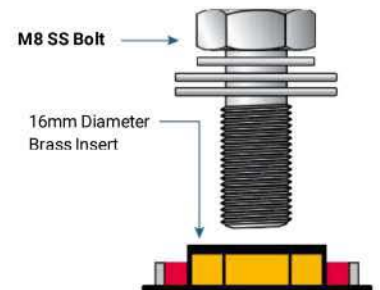
**Type: SS5 TERMINAL**



**Type: SS6 TERMINAL**

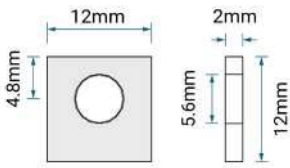


**Type: SS7 TERMINAL**



**Type: SS8 TERMINAL**

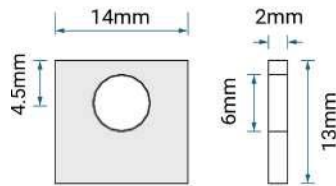
## Terminal Types Continued



Torque: 2.0~3.0 Nxm

**Type: NB1  
TERMINAL POSTS**

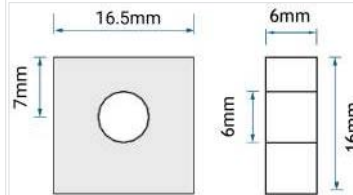
With Nut & Bolt Connectors



Torque: 3.9~5.4 Nxm

**Type: NB1  
TERMINAL POSTS**

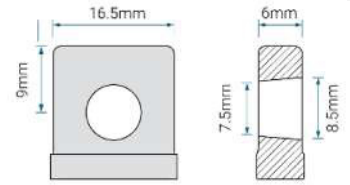
With Nut & Bolt Connectors



Torque: 3.9~5.4 Nxm

**Type: NB3  
TERMINAL POSTS**

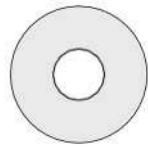
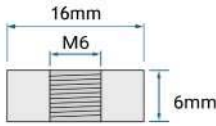
With Nut & Bolt Connectors



Torque: 3.9~9.4 Nxm

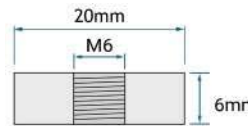
**Type: NB4  
TERMINAL POSTS**

With Nut & Bolt Connectors



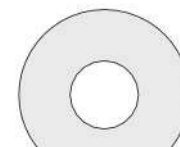
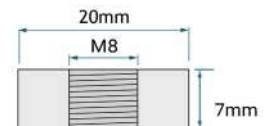
Torque: 3.9~5.4 Nxm

**Type: M6 THREADED  
INSERT: 6mm STUD**



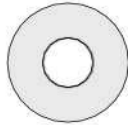
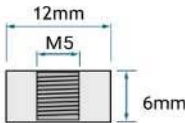
Torque: 3.9~5.4 Nxm

**Type: M6 THREADED  
INSERT: 6mm STUD**



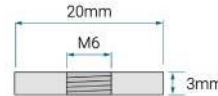
Torque: 11.0~14.7 Nxm

**Type: M8 THREADED  
INSERT: 8mm STUD**



Torque: 2.0~3.0 Nxm

**Type: M5 THREADED  
INSERT: 5mm STUD**



Torque: 3.9~5.4 Nxm

**Type: T8 THREADED  
INSERT: 6mm STUD**

## Connectors: Wire Style



**WL: INSULATED WIRE  
LEADS CONNECTOR**

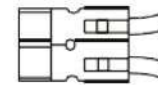
With JST Plug

- Molex Housing 5264-02 & 5263-PBT Plug on PS-605
- AMP Housing 1-480318-0 & 8116-1 on PS-1208



**ANDERSON STYLE  
CONNECTOR**

A molded, heavy-duty connector designed for high current 12V circuits.



**TH: TOY BATTERY  
CONNECTOR**

H-Connector PS-6120 TH



**TS: TOY BATTERY  
CONNECTOR**

S-Connector PS-6120 TS