

PSL-SC SERIES

RECHARGEABLE LITHIUM IRON PHOSPHATE BATTERIES

LiFePO4 Series Connection Series



Medical



Solar



Wind



Mobility



Data Center



Transport



Sport & Recreation



Utility

Combining proven lithium technology with an intelligent battery management system (BMS), the Power Sonic PSL-SC series delivers a battery that lasts longer, weighs less and charges quicker than the equivalent lead acid battery.

At the heart of every Power Sonic lithium battery is an intelligent BMS that monitors and reacts to multiple voltage, current, and temperature events to maximize performance, battery life and safety.

With its advanced BMS design, the PSL-SC range can be connected in a series or parallel configuration of up to 4 batteries providing a solution for higher voltage and higher capacity applications.

POWERSONIC
TRUSTED BATTERY SOLUTIONS

power-sonic.com



PSL-SC SERIES

Rechargeable Lithium Iron Phosphate Batteries
PSL-SC – LiFePO4 Series Connection Series

APPROVALS

- UL 1642 cell certificate
- IEC 62133 cell certificate
- UN 38.3 certified
- ISO9001:2015 - Quality management systems



INTELLIGENT BATTERY MANAGEMENT SYSTEM

The PSL-SC Series comes with an intelligent battery management system which monitors current and voltages during charge and discharge. This protects the battery from over-charge and over-discharge.

The BMS embeds smart balancing algorithms that control all cell voltages in the battery, making sure they are constantly at the same voltage level, optimizing battery capacity.

BATTERY FEATURES

- Super safe lithium iron phosphate (LiFePO4) chemistry reducing the risk of explosion or combustion due to high impact, over-charging or short circuit situation
- Battery Management System (BMS) controls the parameters of the battery to provide optimum safety by protecting against over-charging and over-discharging
- BMS enhanced design balances the battery cells, optimizing battery performance
- Higher capacity or voltage capability through parallel or serial connections
- Delivers twice the power of lead acid batteries, even at high discharge rates, while maintaining constant power
- Faster charging and lower self-discharge
- Up to 10 times more cycles than lead acid batteries
- Compact and only 40% of the weight of comparable lead acid batteries
- Rugged impact resistant ABS case and cover flame retardant to UL94:V0

SPECIFICATIONS

Model	Battery Management System	Series Connection*	Nominal Voltage	Rated Capacity AH	Approx. Dimensions: inch (mm)						Approx. Weight		Terminal Type
					Length		Width		Height		lbs.	kgs.	
					inch	mm	inch	mm	inch	mm			
PSL-SC-1270	✓	✓	12.8V	7.2Ah	5.94	151	2.55	65	3.74	95	2.00	0.9	F2
PSL-SC-1290	✓	✓	12.8V	9Ah	5.94	151	2.55	65	3.74	95	2.64	1.2	F2
PSL-SC-12100	✓	✓	12.8V	10Ah	5.94	151	3.90	98	4.00	101	2.90	1.3	F2
PSL-SC-12120	✓	✓	12.8V	12Ah	5.94	151	3.87	98.5	3.74	95	3.52	1.6	F2
PSL-SC-12200	✓	✓	12.8V	20Ah	7.13	181	3.00	76	6.50	165	6.61	3.0	NB
PSL-SC-12350-GU1	✓	✓	12.8V	35Ah	7.67	195	5.16	131	6.73	171	9.70	4.4	T11
PSL-SC-12500	✓	✓	12.8V	50Ah	7.76	197	6.50	165	6.85	174	14.33	6.5	T11
PSL-SC-12750-G24	✓	✓	12.8V	75Ah	10.24	260	6.62	168	8.39	213	21.60	9.8	T11
PSL-SC-12800-G27	✓	✓	12.8V	80Ah	12.10	307	6.60	168	8.70	221	22.30	10.1	T11
PSL-SC-12000-G27	✓	✓	12.8V	100Ah	12.08	307	6.61	168	8.70	221	28.00	12.7	T11
PSL-SC-121000-G31	✓	✓	12.8V	100Ah	12.52	318	6.50	165	8.47	215	28.20	12.8	T11
PSL-SC-121250-G31	✓	✓	12.8V	125Ah	12.51	318	6.49	165	8.46	215	32.80	14.9	T11
PSL-SC-121500-G8D	✓	✓	12.8V	150Ah	20.48	520	10.55	268	8.98	228	44.53	20.2	T11
PSL-SC-122000-G8D	✓	✓	12.8V	200Ah	20.48	520	10.55	268	8.98	228	53.35	24.2	T11
PSL-SC-122600-G8D	✓	✓	12.8V	260Ah	20.48	520	10.55	268	8.98	228	71.21	32.3	T11
PSL-SC-123000-G8D	✓	✓	12.8V	300Ah	20.48	520	10.55	268	8.98	228	83.11	37.7	T11

* Up to 6 batteries can be connected in series or parallel.
Cannot be connected in series and parallel at the same time.

GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

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FURTHER INFORMATION

Please refer to our website www.power-sonic.com for a complete range of useful downloads, such as product catalogs, material safety data sheets (MSDS), ISO certification, etc.