

# GS BATTERY (U.S.A.) INC.



<b>PRODUCT:</b>	PX12050SHR (PX12050SHRV0) *	Super High Rate- rechargeable, valve regulated lead-acid (VRLA) battery	
<b>NOMINAL VOLTAGE:</b>	12 V		
<b>NOMINAL CAPACITY:</b>		<b>NOMINAL WATTAGE:</b>	
	at 20 hour rate	5.0Ah, 0.25A, FV=10.5V	at 60 minute rate
	at 10 hour rate	4.5Ah, 0.45A, FV=10.5V	at 30 minute rate
	at 5 hour rate	4.25Ah, 0.85A, FV=10.5V	at 15 minute rate
	at 3 hour rate	3.5Ah, 1.17A, FV=10.2V	at 10 minute rate
	at 1 hour rate	3.0Ah, 3.0A, FV=9.6V	at 7.5 minute rate
	at 30 minute rate	2.64Ah, 5.28A, FV=9.0V	at 5 minute rate
	at 15 minute rate	2.0Ah, 8.0A, FV=9.0V	at 2.5 minute rate
			est. 450 watts, FV=9.6V
<b>WEIGHT:</b> (approx.)	4.41 pounds (2,000 grams)		
<b>Internal Resistance of Fully Charged Battery:</b>	18 milliohms (approx.)		
<b>ENERGY DENSITY:</b> (0.05C)	1.53 Watt-hours / cubic inch		(93.4 Watt-hours / liter)
<b>SPECIFIC ENERGY:</b> (0.05C)	13.6 Watt-hours / pound		(30.0 Watt-hours / kg)
<b>Maximum Discharge Current with Standard Terminals:</b>	30 amperes	(at 25C)	
<b>Maximum Short Duration Discharge Current:</b> (less than 5 sec.)	75 amperes	(at 25C)	
<b>Vibration Test:</b>	No loss in capacity or performance (2,000 cycles/minute, 0.10 inch excursion, 2hours)		
<b>Charge Retention:</b> (shelf life)	% of nominal capacity at 77 degrees F (25 Celsius)		
	1 month:	97%	
	3 months:	91%	
	6 months:	82%	
<b>Operating Temperature Range:</b>	Charge	32 degrees F (0 C)	to 104 degrees F (40 C)
	Discharge	minus 4 degrees F (-20 C)	to 122 degrees F (50 C)
	Storage	minus 4 degrees F (-20 C)	to 104 degrees F (40 C)
<b>Case Material:</b>	Synthetic resin (ABS)		<b>*Optional:</b> UL94 V-0 flame retardant resin
<b>Standard Terminal:</b>	F2- AMP faston Type 250		
<b>Dimensions:</b>	<b>length:</b> 3.54 +/- 0.04 inches (90.0 +/- 1.0 mm)	<b>width:</b> 2.76 +/- 0.04 inches (70.0 +/- 1.0 mm)	<b>height:</b> 4.15 +/- inches with terminal (105.5 +/-2.0 mm) w/out: 4.02 +/-0.04 inches (102 +/- 1.0 mm)
<b>Charge Voltage Range:</b>	Cycle use	14.4 - 14.7 V	
	Standby use	13.5 - 13.8 V	

## Emergency Lite Service Center

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