

# Sprinter<sup>®</sup>

Section 22.72 2012-09



# **SPRINTER 550NG**

## ***"NEXT GENERATION"***

### **Top Terminal VRLA Battery Specifications**

**GNB<sup>®</sup>**  
**INDUSTRIAL POWER**  
A Division of Exide Technologies



## From the World Leader in VRLA Battery Technology

The Sprinter 550NG battery is specifically designed for high rate performance in Uninterruptible Power Supply (UPS) Systems to help mitigate downtime in critical applications such as Data Centers, Information Systems, Industrial Processes, Government, Education, Medical, and Emergency Lighting. Its smaller footprint design makes it a suitable fit for most manufacturer's racks and cabinets.

### Superior Quality Manufacturing

Manufactured under ISO 9001 Quality and ISO 14001 Environmental Standards, the Sprinter 550NG battery ensures the reliability and availability needed to meet UPS system load requirements. Quality manufacturing for the Sprinter 550NG battery incorporates the industry's most advanced process technologies including an automated helium leak detection system, a computer controlled "fill by weight" acid filler, and a temperature controlled water bath formation process.

### High Performance Sprinter 550NG Features

- **"Reinforced Side-Wall" Design**  
maintains structural integrity
- **Durable Polypropylene Container and Cover**  
optional: Flame Retardant Container and Cover comply with UL1778
- **Removable Carry Handles**  
facilitates ease of installation
- **High-Compression Absorbent Glass Mat (AGM) Technology**  
ensures greater than 99% recombination efficiency
- **Integrated Flash Arrestor**  
ultrasonically welded into cover for secure and safe protection
- **10 Year Design Life**  
in float applications @25°C (77°F); 12 year @ 20°C (68°F)
- **Superior Lead-Tin-Calcium Positive Alloy**  
helps to resist corrosion
- **Higher Vent Opening Pressure**  
minimizes unnecessary gassing; one-way self resealing device
- **Copper Alloy, 6 mm, Female Terminals**  
ensures low resistance, high integrity connections
- **Qualifications:**  
designed to meet IEC 60896-21/22

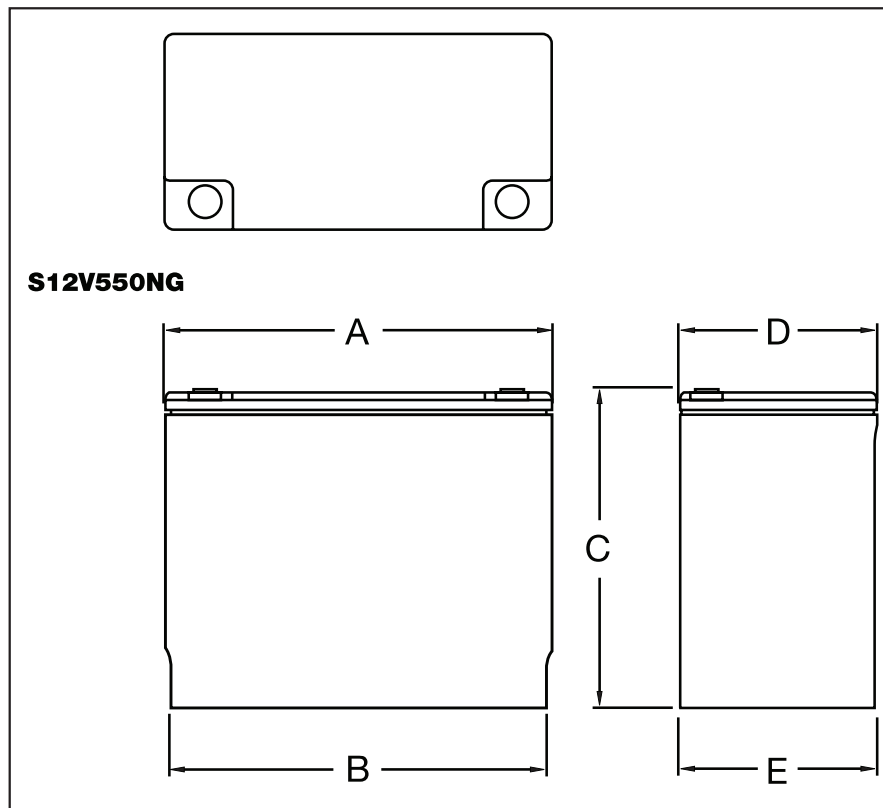


### SPRINTER 550NG Specifications

Model Number#	Voltage	Power (WPC)		Nominal Dimensions										Nominal Weight	
		15 Min. To 1.67 VPC @ 25°C	15 Min. To 1.67 VPC @ 20°C	Inches					Millimeters					lbs.	kg
				A	B	*C	D	E	A	B	*C	D	E		
S12V550NG	12	550	521	13.24	12.77	10.88	6.76	6.62	336.30	324.36	276.35	171.70	168.15	99.0	44.9

\*Bolt, washer and connector typically increase height by 0.45 in. (11mm)

# Add suffix "F" to model number for flame retardant jar option



#### Float Voltage & Charging

Constant Voltage charging is recommended  
 Recommended float voltage: 2.27 VPC @ 25°C (77°F)  
 Float Voltage Range: 2.25 to 2.30 VPC @ 25° C (77°F)  
 Equalize voltage: 2.35 VPC for 24 Hours

#### SPRINTER 550NG Electrical Data

Model Number	Short Circuit Current	Internal Resistance (mOhms)
S12V550NG	3158	4.0

NOTE: Design and/or specifications subject to change without notice.  
 If questions arise, contact your local GNB sales representative for clarifications.



**SPRINTER S12V550NG(F) Performance Specifications**  
Watts per Cell @ 25°C (77°F)

End Voltage Per Cell	Operating Time To End Voltage																																
	8 Hr	7 Hr	6 Hr	5 Hr	4 Hr	3 Hr	2 Hr	90 Min	75 Min	60 Min	45 Min	30 Min	25 Min	20 Min	19 Min	18 Min	17 Min	16 Min	15 Min	14 Min	13 Min	12 Min	11 Min	10 Min	9 Min	8 Min	7 Min	6 Min	5 Min	4 Min	3 Min	2 Min	1 Min
1.85V	32	36	41	47	57	74	104	135	153	179	220	293	337	376	385	396	407	419	433	448	464	483	504	532	555	583	615	648	681				
1.80V	33	37	42	49	60	77	109	140	160	189	234	316	358	406	418	431	445	460	477	496	522	542	565	592	622	659	684	715	753	802	863	909	
1.75V	34	38	43	50	61	78	111	143	164	195	242	334	373	429	443	458	474	492	512	537	558	583	610	647	673	703	739	783	838	899	965	1009	
1.71V	34	38	43	51	61	79	112	144	166	197	246	339	382	442	457	474	492	517	536	557	581	608	643	670	701	738	781	835	894	955	1016	1065	1134
1.70V	34	38	43	51	61	79	112	144	166	197	247	340	384	445	461	477	496	521	540	562	586	613	648	676	708	746	792	848	905	968	1025	1080	1173
1.67V	34	38	43	51	62	79	113	144	166	198	249	343	388	452	468	486	505	529	550	573	598	627	660	691	727	769	820	881	935	1004	1056	1128	1270
1.65V	34	38	43	51	62	79	113	144	167	199	249	344	390	456	472	490	516	534	555	579	605	638	667	700	738	783	849	896	955	1018	1078	1150	1289
1.63V	34	38	43	51	62	79	113	145	167	199	249	344	390	458	476	494	519	538	560	584	611	644	674	708	749	796	861	910	971	1031	1097	1182	1314
1.60V	34	38	44	51	62	80	113	145	167	200	251	347	393	462	481	499	523	543	565	590	621	650	682	716	761	814	876	929	998	1053	1129	1254	1359
1.50V	34	38	44	51	62	80	113	146	168	201	253	351	399	469	488	507	530	550	573	599	628	661	699	742	794	861	914	986	1043	1118	1250	1349	1431

**SPRINTER S12V550NG(F) Performance Specifications**  
Amperes @ 25°C (77°F)

End Voltage Per Cell	Operating Time To End Voltage																																
	8 Hr	7 Hr	6 Hr	5 Hr	4 Hr	3 Hr	2 Hr	90 Min	75 Min	60 Min	45 Min	30 Min	25 Min	20 Min	19 Min	18 Min	17 Min	16 Min	15 Min	14 Min	13 Min	12 Min	11 Min	10 Min	9 Min	8 Min	7 Min	6 Min	5 Min	4 Min	3 Min	2 Min	1 Min
1.75V	17.1	19.3	22.2	26.2	31.9	40.9	58.1	74.3	86.0	102.7	129.3	178.7	202.9	235.6	243.9	252.9	262.7	273.6	283.6	296.3	306.6	318.0	330.9	345.7	364.3	379.8	402.7	426.6	457.4	486.1	506.2	542.1	606.8
1.67V	17.4	19.6	22.4	26.4	32.1	41.4	59.3	75.7	87.8	105.5	133.5	186.2	213.5	252.1	261.9	272.7	283.8	295.1	306.0	316.7	327.4	337.2	353.6	378.1	403.9	431.8	464.7	489.5	520.5	561.1	608.2	683.4	740.9