

Sprinter®



SPECIFICATIONS

Top Terminal Batteries

Sprinter®

From the World Leader in VRLA Battery Technology

Designed for superior, high-rate performance in uninterruptible power supply (UPS) applications, the SPRINTER® series offers high power density and reliability. The SPRINTER® family of batteries highlights another example of GNB Industrial Power's extensive experience and world-wide leadership in VRLA technology.

"Designed in" Quality Manufacturing

Quality manufacturing processes for the SPRINTER® series batteries incorporate the industry's most advanced technologies including: an automated helium leak detection system, a computer controlled "fill by weight" acid filler, and a temperature controlled water bath formation process. A constant current discharge test is performed on each and every unit prior to shipment.

High Performance SPRINTER® Series Features

- Durable polypropylene container and cover. Optional: Flame retardant container and cover compliant with UL1778.
- Integrated flame arrester ultrasonically welded into cover.
- Reinforced side-wall design maintains structural integrity.
- Heat sealed case-to-cover bond to help ensure a leak proof seal.
- High-Compression Absorbent Glass Mat (AGM) technology for greater than 99% recombination efficiency.
- Superior calcium-tin-silver positive alloy.
- Heavy duty copper alloy terminals for ease of assembly and reduced maintenance.
- Reliable one-way, self-resealing safety vents.
- Multicell design for faster installation and reduced maintenance.
- Horizontal or vertical operation.
- Removable carry handles for ease of installation.

Applications

SPRINTER® series batteries incorporate advanced VRLA technology designed for superior high-rate performance in uninterruptible power supply (UPS) and power quality applications.

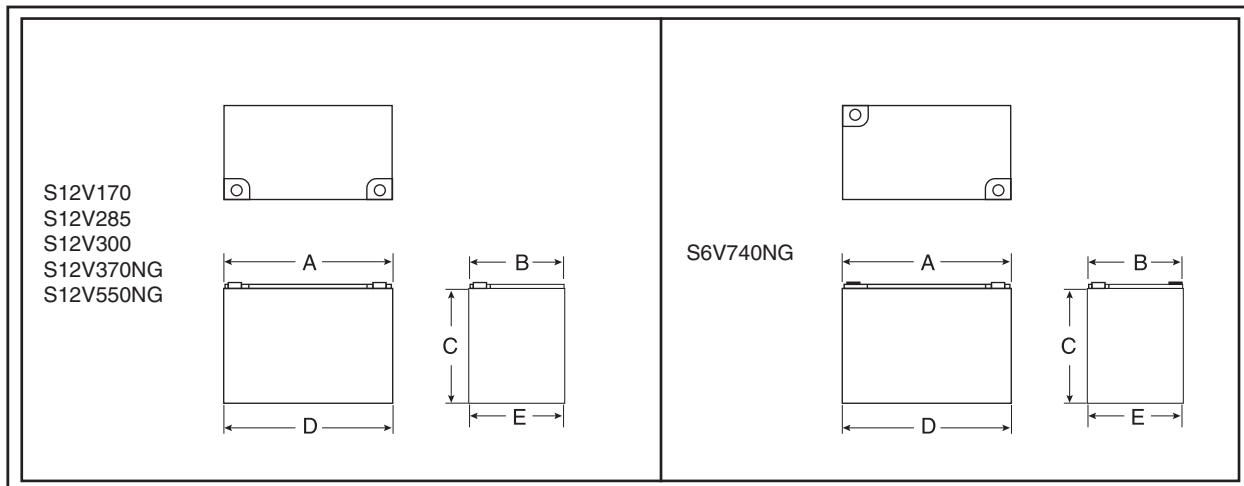




SPRINTER® Specifications

Model Number#	Voltage	Power (WPC)		Nominal Dimensions										Nom. 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		
S12V170	12	167	158	7.81	6.58	7.01	7.71	6.45	198	167	178	196	164	36	16.3
S12V285	12	285	270	10.21	6.85	8.80	10.21	6.78	259	174	223	259	172	61	27.7
S12V300	12	306	290	10.21	6.85	8.80	10.21	6.78	259	174	223	259	172	63	28.6
S12V370NG	12	373	353	12.14	6.77	8.78	11.68	6.62	308	172	223	297	168	69	31.3
S12V550NG	12	550	521	13.27	6.77	10.91	12.80	6.62	337	172	277	325	168	99	44.9
S6V740NG	6	746	706	12.14	6.77	8.78	11.68	6.62	308	172	223	297	168	68	30.8

* Bolt, washer and connector typically increase height by 0.45 inches (11 mm)
 # Add suffix 'F' to model number to specify flame retardant jar/cover option.



SPRINTER Electrical Data

Model Number	Short Circuit Current	Internal Resistance (milli-ohms)
S12V170	2341	5.3
S12V285	3271	3.7
S12V300	3925	3.1
S12V370NG	2790	4.5
S12V550NG	3158	4.0
S6V740NG	4223	1.5

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

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



Sprinter® Performance Specifications
Watts per Cell @25°C (77°F)

1.60
Final
VPC

Model Number	5 min	10 min	15 min	20 min	30 min	45 min	60 min	75 min	90 min
S12V170	332	218	168	138	102	74	58	48	41
S12V285	560	373	288	240	169	123	97	81	70
S12V300	680	421	308	247	181	132	106	89	77
S12V370NG	739	488	376	310	230	167	132	109	93
S12V550NG	998	716	565	462	347	251	200	167	145
S6V740NG	1181	912	752	620	462	336	264	218	186

1.65
Final
VPC

Model Number	5 min	10 min	15 min	20 min	30 min	45 min	60 min	75 min	90 min
S12V170	326	216	167	137	102	74	58	48	41
S12V285	553	371	287	239	169	123	97	81	70
S12V300	663	418	307	247	181	132	106	89	77
S12V370NG	732	486	375	309	230	167	131	108	92
S12V550NG	955	700	555	456	344	249	199	167	144
S6V740NG	1110	890	750	618	460	334	262	216	184

1.67
Final
VPC

Model Number	5 min	10 min	15 min	20 min	30 min	45 min	60 min	75 min	90 min
S12V170	232	215	167	137	102	74	58	48	41
S12V285	543	365	285	239	169	121	96	80	69
S12V300	654	415	306	245	180	131	105	88	76
S12V370NG	723	484	373	309	230	167	131	108	92
S12V550NG	935	691	550	452	343	249	198	166	144
S6V740NG	1104	882	746	620	462	336	264	218	186

1.70
Final
VPC

Model Number	5 min	10 min	15 min	20 min	30 min	45 min	60 min	75 min	90 min
S12V170	318	214	165	136	101	73	58	48	41
S12V285	527	355	282	238	168	121	96	80	69
S12V300	638	410	304	245	180	131	105	88	76
S12V370NG	703	481	372	307	228	165	130	107	91
S12V550NG	905	676	540	445	340	247	197	166	144
S6V740NG	1075	867	744	614	456	330	260	214	182



Sprinter® Performance Specifications
Watts per Cell @25°C (77°F)

	Model Number	5 min	10 min	15 min	20 min	30 min	45 min	60 min	75 min	90 min
1.75 Final VPC	S12V170	302	208	162	134	100	73	58	48	41
	S12V285	485	342	279	237	166	120	95	80	69
	S12V300	597	398	300	243	179	130	104	88	76
	S12V370NG	703	481	372	307	228	165	130	107	91
	S12V550NG	838	647	512	429	334	242	195	164	143
	S6V740NG	1014	829	718	594	446	326	258	212	182

	Model Number	5 min	10 min	15 min	20 min	30 min	45 min	60 min	75 min	90 min
1.80 Final VPC	S12V170	280	197	155	129	97	71	56	46	40
	S12V285	442	323	269	229	162	119	95	79	68
	S12V300	544	374	287	235	175	128	103	86	75
	S12V370NG	607	435	345	287	219	159	127	105	89
	S12V550NG	753	592	477	406	316	234	189	160	140
	S6V740NG	911	772	690	574	434	318	252	208	178

	Model Number	5 min	10 min	15 min	20 min	30 min	45 min	60 min	75 min	90 min
1.85 Final VPC	S12V170	248	179	143	119	90	67	53	44	38
	S12V285	390	292	253	216	153	114	91	76	65
	S12V300	480	339	266	221	167	124	99	83	72
	S12V370NG	514	374	302	255	196	147	118	98	84
	S12V550NG	681	532	433	376	293	220	179	153	135
	S6V740NG	799	693	604	510	392	294	236	196	168



Sprinter[®]

Cabinets for Sprinter[®] Top Terminal UPS VRLA Monobloc Batteries.

UL Listed

IBC 2006 Seismic Certified.

Tight space-saving footprint.

Accommodates all GNB top terminal VRLA
UPS batteries.



Cabinet features:

- Acid resistant powder coat epoxy paint.
- Door and panels remove easing installation and maintenance.
- Can be installed in single or multiple cabinet line-ups as “remote” or “adjacent/remote” from the UPS.
- Dedicated area for electrical output connections and cable routing.
- Battery monitor friendly with tab washers installed on each battery.
- Locking right door has pocket for manuals and maintenance records.
- Over-current protection for each battery string, either breakers or fuse protection.
- Knockouts sized and located to accommodate up to 4” conduit.

Optional Battery Cabinet Items:

- Floor stands
- Seismic anchor brackets
- Installation of battery monitors and/or harnesses
- Spill containment pans

Racks for Sprinter® Top Terminal UPS VRLA Monobloc Batteries.

- IBC 2006 Seismic Certified.
- Fully welded frame eases installation.
- 1 Tier, 2 Tier, 3 Tier, 4 Tier, 5 Tier Designs.
- Welded heavy gauge steel construction.
- Acid resistant powder coat epoxy paint.
- Can be installed in Back to Back or End to End arrangements.

Optional Battery Rack Items:

- Overcurrent protection for each battery string, either breakers or fuse protection mounted in enclosures
- Battery terminal and rail covers
- Battery rack polycarbonate covers
- Top mountings for battery monitoring
- Seismic Anchor Bolts
- Spill Containment Pans

