

# Power

## Alpha SPACELL® SMU

Modular Sealed Lead Acid Battery



- Power range available:
  - 2 volts from 200 to 3,000 amp hours
- Modular unit structure allows for minimal footprint.
- Insulated cell terminals allow easy maintenance and replacement.
- Strong corrosion resistant grid design.
- Rugged flame retardant ABS casing to UL94-VO.
- 10 year design life.
- 3 year - 100% full warranty.

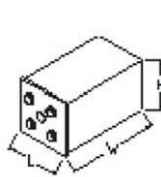
The Alpha SPACELL® SMU battery with sealed gas recombination technology is specifically designed for telecommunication applications. The SMU's absorbed electrolyte technology is the most reliable, versatile and cost effective VRLA battery available on the market today. This high performance and long life battery is available in 2 volts ranging from 200 to 3,000 ampere-hours. The SPACELL® SMU Series requires less space than conventional VRLA batteries and are structurally arranged to eliminate dislodging and slippage caused by vibrations over time.

## Feature Summary

SPACELL® SMU 2 volt	
Standard Warranty	3 yr full plus 07yr prorated
Service Life:	10 yr
Battery Type:	Valve regulated lead acid
Range of Capacity:	200Ah - 300Ah
Time of Discharge:	1min - 20hrs.
Operating Temperature:	25°C (77°F)
Terminal Type:	Threaded Copper Insert

## SPACELL® SMU 2 Volt Mechanical Specifications

TYPE	L (in/mm)	W (in/mm)	H (in/mm)	Weight (lb/kg)
SMU 2-200-FR	4.25/120	8/200	15/385	35/16
SMU 2-300-FR	6/161	8/200	15/385	50/23
SMU 2-400-FR	8/201	8/200	15/385	66/30
SMU 2-500-FR	9.5/242	8/200	15/385	84/38
SMU 2-600-FR	11/283	8/200	15/385	99/45
SMU 2-800-FR	7/183	9.5/244	24.5/629	136/62
SMU 2-1000-FR	8.5/218	9.5/244	24.5/629	167/76
SMU 2-1500-FR	12/305	9.5/244	24.5/629	244/111
SMU 2-2000-FR	14.5/369	9/228	24.25/617	337/153
SMU 2-3000-FR	21.5/545	9/228	24.25/617	507/230



Vertical Installation



Horizontal Installation

## Amperes to Final Voltage 1.75 VPC at 25° C (77° F)

Type	Minutes								Hours							
	1	5	10	15	20	30	40	1	2	3	5	8	10	12	20	
SMU 2-200-FR	414	384	333	282	244	191	160	121	73	54	36	25	21	18	11	
SMU 2-300-FR	621	576	500	423	366	286	240	182	109	81	55	38	32	27	17	
SMU 2-400-FR	828	768	666	564	488	382	320	242	146	108	72	50	42	36	22	
SMU 2-500-FR	1035	961	833	704	610	476	400	303	182	135	91	63	53	45	28	
SMU 2-600-FR	1242	1152	1000	846	732	572	480	364	218	162	110	76	64	54	34	
SMU 2-800-FR	1656	1536	1332	1128	976	764	640	484	292	216	144	100	84	72	44	
SMU 2-1000-FR	2070	1922	1666	1408	1220	952	800	606	364	270	182	126	106	90	56	
SMU 2-1500-FR	3105	2883	2499	2112	1830	1428	1200	909	546	405	273	189	159	135	84	
SMU 2-2000-FR	4140	3844	3332	2816	2440	1904	1600	1212	728	540	364	252	212	180	112	
SMU 2-3000-FR	6210	5766	4998	4224	3660	2856	2400	1818	1092	810	546	378	318	270	168	

## Amperes to Final Voltage 1.80 VPC at 25° C (77° F)

Type	Minutes								Hours							
	1	5	10	15	20	30	40	1	2	3	5	8	10	12	20	
SMU 2-200-FR	351	303	256	217	191	156	140	105	66	49	34	24	20	17	11	
SMU 2-300-FR	526	455	385	326	286	234	210	158	98	73	50	36	30	26	17	
SMU 2-400-FR	702	606	512	434	382	312	280	210	132	98	68	48	40	34	22	
SMU 2-500-FR	877	758	641	544	476	391	350	263	164	122	84	60	50	43	28	
SMU 2-600-FR	1052	910	770	652	572	468	420	316	196	146	100	72	60	52	34	
SMU 2-800-FR	1404	1212	1024	868	764	624	560	420	264	196	136	96	80	68	44	
SMU 2-1000-FR	1754	1516	1282	1088	952	782	700	526	328	244	168	120	100	86	56	
SMU 2-1500-FR	2631	2274	1923	1632	1428	1173	1050	789	492	366	252	180	150	129	84	
SMU 2-2000-FR	3508	3032	2564	2176	1904	1564	1400	1052	656	488	336	240	200	172	112	
SMU 2-3000-FR	5262	4548	3846	3264	2856	2346	2100	1578	984	732	504	360	300	258	168	

For more information visit [www.mtitechnologies.com](http://www.mtitechnologies.com)

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