

Power

AlphaCell™ SMU-F

Front Access VRLA Battery



- Power range available in 12V from 50 to 170Ah
- Front access terminal design
- Strong corrosion resistant grid design
- Rugged flame retardant ABS casing to UL94-VO
- 15 year design life
- 3 year full warranty

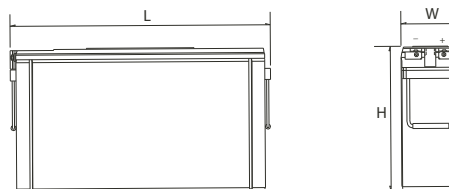
The AlphaCell SMU-F battery has front access terminals and is specifically designed for telecommunication applications. With Absorbed Glass Mat (AGM) technology, the SMU-F is a highly reliable, versatile and cost effective VRLA battery. This high performance and long life battery is available in 12V ranging from 50 to 170Ah.



AlphaCell SMU-F

General Specifications

Model:	AlphaCell SMU-F 12V
Standard Warranty:	3 year full plus 12 year prorated
Battery Type:	Valve regulated lead acid
Range of Capacity:	50 to 170Ah
Recommended Float Voltage:	13.5VPC @ 20°C (68°F)
Operating Temperature:	25°C (77°F)
Terminal Type:	Threaded Copper Insert Front Terminal Adapter



Mechanical Specifications

Type	Length (in/mm)	Width (in/mm)	Height (in/mm)	Weight (lb/kg)	Top Access Stud Hole Size	Front Access Stud Size
SMU-F 12-50-FR:	15.4/390	4.1/105	8.9/227	47.4/21.5	8mm	6mm
SMU-F 12-75-FR:	21.9/558	4.1/105	8.9/227	68.3/31.0	8mm	6mm
SMU-F 12-85-FR:	15.6/395	4.1/105	10.6/270	69.5/31.5	8mm	6mm
SMU-F 12-105-FR:	20.1/511	4.3/110	9.4/238	79.4/36.0	8mm	6mm
SMU-F 12-125-FR:	21.9/558	4.9/125	10.6/270	108.0/49.0	8mm	6mm
SMU-F 12-155-FR:	21.9/558	4.9/124	11.1/283	119.0/54.0	8mm	6mm
SMU-F 12-170-FR:	21.9/558	4.9/124	12.2/310	129.8/59.0	8mm	6mm

End Discharge Voltage 1.75/Cell(A)

Type	Minutes			Hours										
	5	15	30	1	2	3	4	5	6	8	10	12	20	24
SMU-F 12-50-FR:	133.0	75.0	49.0	30.0	18.5	12.5	10.6	9.2	8.0	6.3	5.2	4.6	2.8	2.4
SMU-F 12-75-FR:	199.0	112.0	73.0	45.0	28.0	18.7	15.9	13.8	12.0	9.3	7.8	6.6	4.0	3.4
SMU-F 12-85-FR:	255.0	144.0	93.2	54.9	35.6	24.4	20.7	15.7	13.6	10.7	8.6	7.3	4.4	3.6
SMU-F 12-105-FR:	274.0	154.0	100.0	59.0	40.7	28.0	23.8	18.7	16.2	12.8	10.3	8.6	5.2	4.4
SMU-F 12-125-FR:	332.0	225.0	138.0	83.0	48.4	35.3	30.0	21.5	18.2	14.0	12.6	10.6	6.5	5.5
SMU-F 12-155-FR:	407.0	229.0	149.0	88.0	60.4	41.6	35.4	27.8	24.0	18.7	15.5	12.8	7.8	6.5
SMU-F 12-170-FR:	503.0	260.0	190.0	125.0	71.7	50.0	38.1	31.7	27.7	21.5	17.3	14.5	9.3	7.8

End Discharge Voltage 1.80/Cell(A)

Type	Minutes			Hours										
	5	15	30	1	2	3	4	5	6	8	10	12	20	24
SMU-F 12-50-FR	120.0	71.0	48.0	28.0	17.6	12.0	10.2	9.0	7.8	6.0	5.0	4.5	2.7	2.3
SMU-F 12-75-FR	180.0	106.0	71.0	41.0	26.0	18.0	15.3	13.5	11.6	9.0	7.5	6.3	3.9	3.3
SMU-F 12-85-FR	230.0	136.0	90.9	52.9	35.0	24.3	20.7	15.6	13.4	10.6	8.5	7.2	4.4	3.5
SMU-F 12-105-FR	247.0	146.0	98.0	57.0	40.0	27.8	23.6	18.5	16.0	12.6	10.0	8.5	5.2	4.3
SMU-F 12-125-FR	280.0	204.0	127.0	80.0	47.1	34.6	29.4	21.0	18.0	13.7	12.5	10.5	6.4	5.4
SMU-F 12-155-FR	367.0	217.0	145.0	84.0	59.0	41.3	35.1	27.5	23.7	18.7	15.3	12.7	7.7	6.4
SMU-F 12-170-FR	461.0	245.0	181.0	120.0	70.7	48.3	37.0	31.3	26.5	20.9	17.0	14.4	9.2	7.6

For more information visit www.alpha.com

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