



# UP Series G12-12

GENERAL PURPOSE GEL



# Main Features

- Designed life 15 years in stand-by application.
- Superior Deep Cycle Design.
- High Power Density.
- Thick Plates and High-density Active Material.
- Longer Life in Deep Cycle Applications.
- Excellent Recovery from Deep Discharge.
- Wide operating temperature range from -10°C ~ 50°C.

## **Application**

- · Measuring equipment and instrument.
- Telephone sets.
- · Lighting equipment.
- Security systems.
- UPS power supply.









# **Technical Specifications**

	Nominal Voltage (V)		12				
	Nominal Capacity (20 Hr)		12 Ah				
			Length: Width:	$151 \pm 2 \text{ mm } (5.94 \text{ inches})$ $98 \pm 1 \text{ mm } (3.86 \text{ inches})$			
	Dimensions		Container Height:	$95 \pm 1 \text{ mm (3.74 inches)}$			
			Total Height (+terminal): $99 \pm 1 \text{ mm}$ (3.90 inches)				
	Weight ± 3%		Approx. 3.75 Kg (8.26 lbs)				
	Internal Resistance (In full charge status)		≈ 22.2 mΩ				
	Standard Terminals		F2				
	Constant -	Cycle application		voltage (under charge) 4.4 V at 25°C (77°F). 4 V until current drop to least 3 hours.  nsation coefficient of			
	Voltage Charge	Standby service	13.6 to 13.8 volts w continuously. When	nsation coefficient of			
	NOTE: The battery should be charged within 6 months of storage.						

Otherwise, permanent loss of capacity might occuras a result of sulfation.







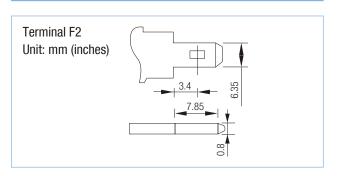
# UP-G12-12



### Electrical Specifications

	20 hour rate (0.60 A)	12.0 Ah		
Rated Capacity	10 hour rate (1.2 A)	11.3 Ah		
	5 hour rate (1.92 A)	9.6 Ah		
	27 minute rate (12 A)	5.4 Ah		
	7 minute rate (36 A)	4.2 Ah		
Capacity affected	40°C (104°F)	103%		
by Temperature	25°C (77°F)	100%		
(20 Hour Rate)	0°C (32°F)	86%		

# Terminal Type



		Со	nstant Curre	nt Discharge	Discharge Data Sheet (Amperes at 25°C/77°F)					
End Voltage/cell	5 min	10 min	20 min	45 min	1 h	2 h	4 h	8 h	10 h	20 h
1.70	44.4	28.9	16.1	8.38	7.20	4.26	2.43	1.38	1.16	0.612
1.75	44.0	28.6	16.0	8.30	7.15	4.10	2.37	1.37	1.15	0.606
1.80	43.5	28.3	15.8	8.22	7.10	3.94	2.31	1.35	1.14	0.600

Constant Power Discharge Data Sheet (Watt at 25°C/77°F)										
End Voltage/cell	5 min	10 min	20 min	45 min	1 h	2 h	4 h	8 h	10 h	20 h
1.70	533	336	193	101	86.4	51.1	29.2	16.6	13.8	7.28
1.75	528	338	192	99.8	85.8	49.2	28.5	16.4	13.7	7.21
1.80	522	340	190	98.6	85.2	47.3	27.7	16.2	13.6	7.14







# UP-G12-12



