

## UP Series G26-12

GENERAL PURPOSE GEL



### Main Features

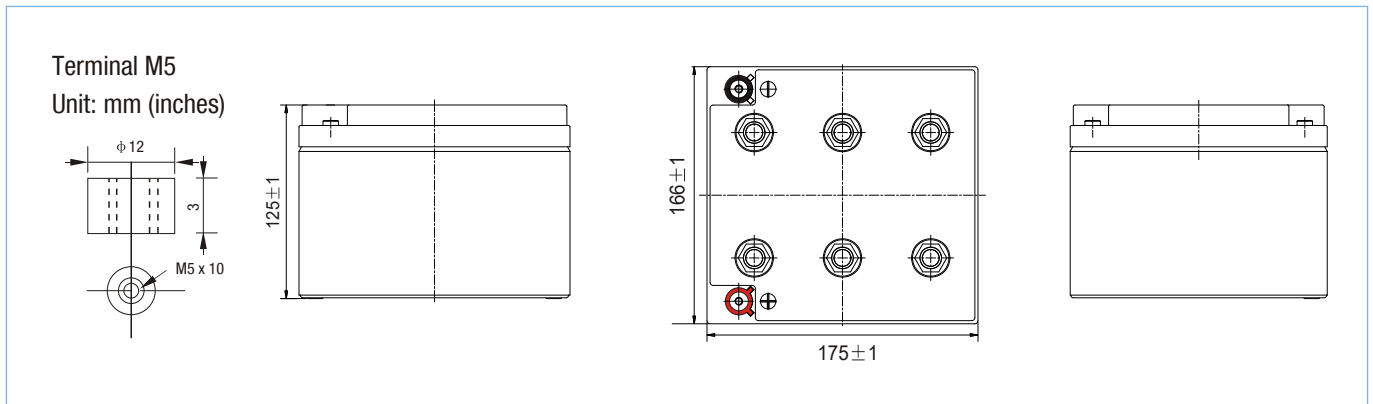
- **Longer Design Life**  
Designed for 12 years of service life at 25°C.
- **Uniform Electrolyte Distribution**  
Using high quality silica (silicon dioxide) we obtain a uniform electrolyte distribution for a better performance.

### Technical Specifications

Nominal Voltage (V)	12
Nominal Capacity (20 Hr)	26 Ah
Dimensions	Length: 166 ± 2 mm (6.54 inches)
	Width: 175 ± 2 mm (6.89 inches)
	Container Height: 125 ± 2 mm (4.92 inches)
	Total Height (+terminal): 125 ± 2 mm (4.92 inches)
Approx. Weight	Approx. 7.6 kg (16.8 lbs)
Terminal	M5
Container Material	ABS
Rated Capacity	26.0 Ah / 1.30 A (20hr, 1.80V/cell, 25°C / 77°F)
	24.2 Ah / 2.42 A (10hr, 1.75V/cell, 25°C / 77°F)
	20.8 Ah / 4.16 A (5hr, 1.75V/cell, 25°C / 77°F)
	18.1 Ah / 6.03 A (3hr, 1.75V/cell, 25°C / 77°F)
	14.3 Ah / 14.3 A (1hr, 1.67V/cell, 25°C / 77°F)
Maximum Discharge Current	312 A (5 s)
Internal Resistance	Approx. 13.5 mΩ
Operating Temperature Range	Discharge: -20 ~ 55°C (-4 ~ 131°F)
	Charge: 0 ~ 40°C (32 ~ 104°F)
	Storage: -20 ~ 50°C (-4 ~ 122°F)
Nominal Operating Temperature Range	25 ± 3°C (77 ± 5°F)
Cycle Use	Initial Charging Current less than 5.2 A. Voltage 14.4~15V at 25°C (77°F) Temp. Coefficient -30mV/°C
Standby Use	No limit on Initial Charging Current Voltage. 13.5~13.8V at 25°C (77°F) Temp. Coefficient -20mV/°C
Capacity affected by Temperature	40°C (104°F) 103%
	25°C (77°F) 100%
	0°C (32°F) 86%
Self Discharge	Batteries may be stored for up to 9 months at 25°C (77°F) and then a freshening charge is required.



## Battery Dimensions



## Battery Discharge Tables

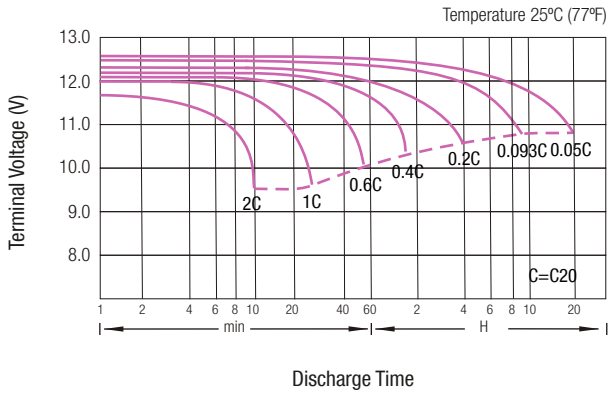
Constant Current Discharge (Amperes) at 25°C (77°F)

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	22.0	17.3	13.2	11.0	6.99	5.33	4.41	3.81	3.29	2.91	2.63	2.40	2.27	1.25
1.80V/cell	25.2	19.3	14.5	12.2	7.57	5.71	4.68	4.00	3.45	3.05	2.75	2.52	2.37	1.30
1.75V/cell	28.3	21.2	15.7	13.0	8.02	6.03	4.90	4.16	3.58	3.16	2.84	2.60	2.42	1.33
1.70V/cell	30.5	22.7	16.7	13.8	8.50	6.28	5.06	4.29	3.70	3.26	2.93	2.67	2.48	1.34
1.67V/cell	31.7	23.6	17.3	14.3	8.72	6.48	5.19	4.38	3.76	3.31	2.97	2.70	2.50	1.36
1.60V/cell	34.4	25.3	18.5	15.2	9.07	6.74	5.38	4.51	3.85	3.38	3.02	2.76	2.55	1.38

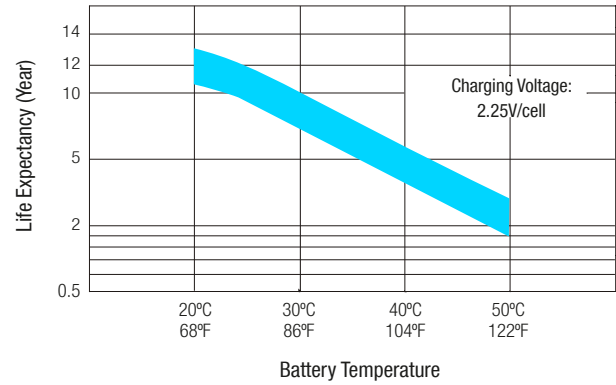
Constant Power Discharge (Watts/cell) at 25°C (77°F)

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	42.1	33.3	25.5	21.5	13.7	10.4	8.68	7.52	6.52	5.78	5.23	4.78	4.53	2.49
1.80V/cell	47.6	36.8	28.0	23.6	14.7	11.1	9.17	7.88	6.82	6.03	5.46	5.02	4.72	2.59
1.75V/cell	52.9	40.1	30.0	25.1	15.6	11.8	9.57	8.16	7.04	6.23	5.62	5.16	4.81	2.64
1.70V/cell	56.4	42.6	31.6	26.4	16.4	12.2	9.86	8.39	7.27	6.43	5.78	5.29	4.92	2.67
1.67V/cell	58.0	43.8	32.5	27.2	16.7	12.5	10.1	8.54	7.36	6.50	5.86	5.35	4.97	2.69
1.60V/cell	62.2	46.4	34.7	28.8	17.3	13.0	10.4	8.78	7.52	6.62	5.95	5.45	5.06	2.73

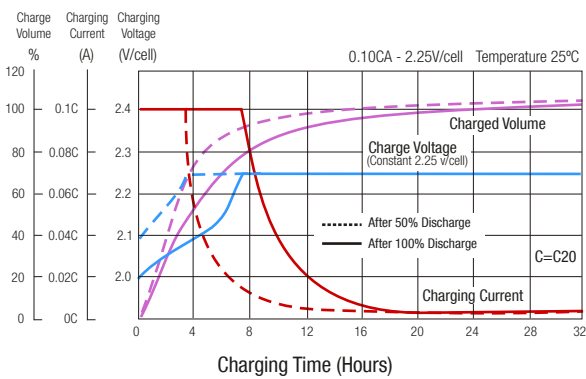
### Discharge Characteristics



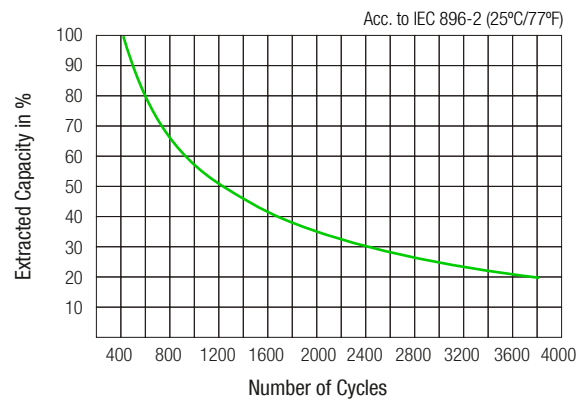
### Effect of Temperature on Long Term Float Life



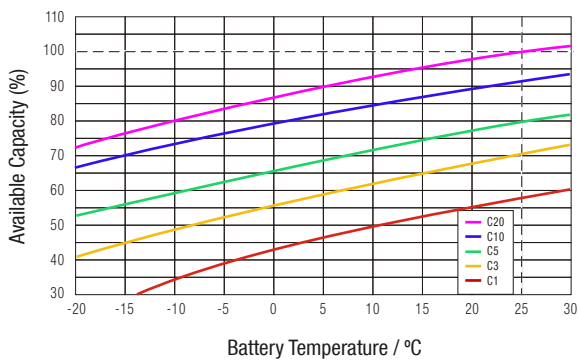
### Float Charging Characteristics



### Cycle Life in Relation to Depth of Discharge



### Temperature Effects in Relation to Battery Capacity



### General Relation of Capacity VS. Storage Time

