



NP75-12G (12V75Ah/10hr)



NPG Series is GEL battery which is manufactured with AGM separator and col loidal Silicon. Gel battery are featured with low self-discharge、 strong ability to recover from deep discharging、 excellent cycle life and performance at cold ambient temperatures than conventional VRLA

Battery Construction

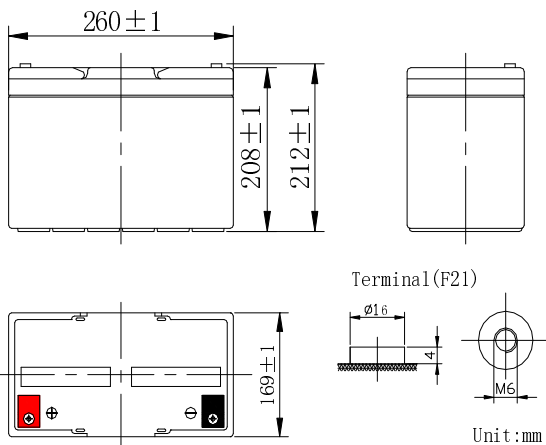
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Colloidal silicon

General Feature

- Micro millimeter SiO₂ and H₂SO₄ technology for Efficient gas recombination of up to 99% and Freedom from electrolyte maintenance or water adding.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- UL-recognized component.
- Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density.
- Long service life, float or cyclic applications.
- Maintenance-free operation.
- Low self discharge.

SPECIFICATION

Nominal voltage 12V
 Number of cell 6
 Length(mm/inch) 260/10.24
 Width(mm/inch) 169/6.65
 Height(mm/inch) 208/8.19
 Total Height(mm/inch) 213/8.39
 Approx. Weight(kg/lbs)23/50.7



Performance Characteristics

Capacity 77°F(25°C)	100 hour rate (0.9A、 11.1V)	90Ah
	20 hour rate (3.75A、 10.8V)	75Ah
	10 hour rate (7.1A、 10.5V)	71Ah
	1 hour rate (43.2A、 9.6V)	43.2Ah
Internal Resistance	Full charged Battery77°F(25°C):8mΩ	
Operating Temperature Range	Discharge: -20~60°C	
	Charge: -10~60°C	
	Storage: -20~60°C	
Self-Discharge 3% of capacity declined per month at 20°C(average)		
Max. discharge current77°F(25°C): 800A(5S)		
Charge (Constant Voltage)	Float: 13.38~13.68 V/77° F(25°C)	
	Cycle:14.28~14.52 V/77°F(25°C)	
	Max. Current: 18.8A	

Discharge Constant Current (Amperes at 77° F25 °C)

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	223	168	133	73.4	43.2	18.9	12.7	7.35	4.00
1.65V	210	162	126	72.4	42.7	18.7	12.6	7.30	3.95
1.70V	198	154	120	69.4	42.0	18.4	12.4	7.20	3.90
1.75V	185	145	113	66.2	41.4	18.0	12.2	7.10	3.85
1.80V	171	132	106	62.2	40.5	17.6	10.9	6.90	3.75

Discharge Constant Power (watts at 77° F 25 °C)

End Point Volts/Cell	10min	15min	30min	45min	1h	2h	3h	5h	10h
1.60V	258	202	134	105	83.7	54.5	37.8	25.4	13.8
1.65V	244	191	127	101	80.1	54.0	36.9	25.0	13.7
1.70V	229	180	120	95.7	76.6	51.2	35.9	24.4	13.6
1.75V	216	170	113	90.6	72.8	49.1	34.9	24.0	13.5
1.80V	200	158	106	85.4	68.9	47.1	33.7	23.3	13.4

(Note)The above characteristics data are average values obtained Within three charge/discharge cycles not the minimum values.

