

Introduction

is designed for solar and alternative energy system. The series is featured of its long service life. It is widely used in solar and wind power system, UPS and power utility.

Battery Features

- Long service life in floating condition
- Stable quality and high pass rate
- High consistency in group use
- Low self-discharging rate

Electrical Specification

Design floating Life @ 20°C (68°F)	5 years
Nominal Capacity @ 25°C / 77°F	
20 hour rate 0.90 A to 1.75Vpc	18.0 Ah
10 hour rate 1.70 A to 1.75Vpc	17.0 Ah
5 hour rate 3.15 A to 1.70Vpc	15.8 Ah
1 hour rate 11.7 A to 1.60Vpc	11.7 Ah
Internal Resistance	
(Fully charged battery @ 25°C / 77°F)	16 mOhms
Max. Discharge Current @ 25°C / 77°F	270A (5S)
Charge Methods: Constant voltage charge @ 25°C / 77°F	
Cycle Use	14.7 ~ 14.9V
Max. Current	4.3A
Standby Use	13.6 - 13.8V
Operating Temperature Range	
Discharge	-15 ~ 35°C
Charge	0 ~ 35°C
Storage	-15 ~ 35°C
Recommended Operating Temp	15 ~ 25°C
Self-Discharge	

3% of capacity declined per month @ 20°C (68°F). The batteries may be stored for up to 6 months @ 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.

Typical Applications

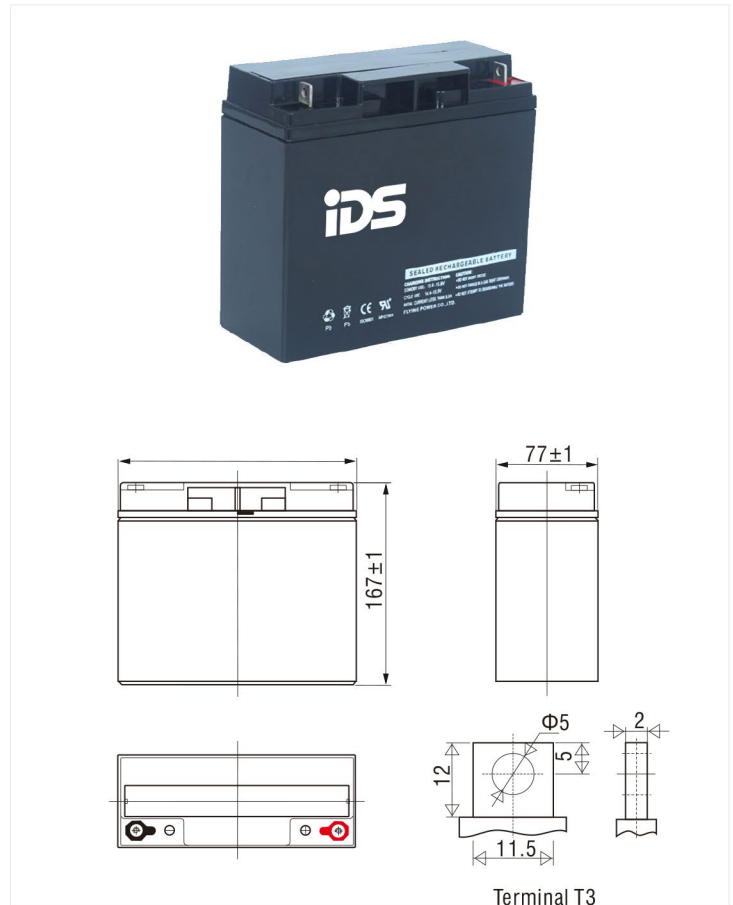


- Solar Energy System
- Wind Energy System
- Power Utility
- UPS/EPs

Certificates



Battery Picture



Dimension and Weight

Length	Dimension (± 2mm)			Weight (± 2%)	Terminal
	Width	Height	Total Height		
181 mm	77 mm	167 mm	167 mm	5.53 kg	T3/T10
7.1 inch	3.0 inch	6.6 inch	6.6 inch	12.2 lbs	

Constant Current Discharge (Amperes @ 25 / 77°F)

V/cell	15min	30min	1hr	3hr	5hr	10hr	20hr
1.60	38.15	21.49	11.68	4.28	3.25	1.78	0.93
1.65	36.54	20.69	11.40	4.16	3.20	1.75	0.93
1.70	34.92	19.85	11.13	4.07	3.15	1.73	0.90
1.75	33.31	19.07	10.86	3.94	3.10	1.70	0.90
1.80	31.70	18.35	10.59	3.80	3.04	1.68	0.88

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

V/cell	15min	30min	1hr	3hr	5hr	10hr	20hr
1.60	73.07	40.30	23.89	9.18	5.93	3.61	1.96
1.65	70.12	38.68	22.81	8.95	5.83	3.57	1.91
1.70	67.16	37.34	21.72	8.72	5.73	3.54	1.88
1.75	64.74	35.73	20.64	8.46	5.62	3.50	1.87
1.80	61.79	34.39	19.85	8.18	5.47	3.45	1.77

*The mentioned data are derived from of sample test result, for reference only.

Graphs

