

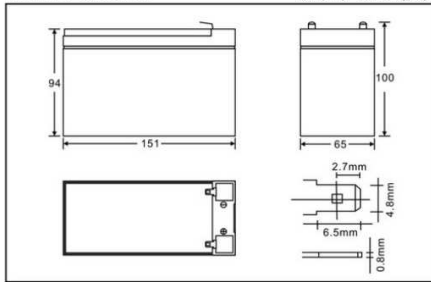


## VIPOW 12V 7.0Ah



### Plane Chart:

Unit:(mm) Terminal type:(F1)



### Characteristic:

- 1.100% testing before out of factory, stable and reliable quality is guaranteed.
2. Professional alloy formula and advanced manufacturing techniques.
3. Completely sealed and maintenance free, low self-discharge.
4. Good charge-discharge acceptability.
5. Cyclic application: deep cycle charge-discharge for more than 260 times.
6. Floating application: for 3-5 years.

### Application:

- Anti-theft system
- Radio transceiver
- Power system
- Railroad engine and railway communication
- Emergency lighting and lamps
- Electric tools
- Electronic instruments and other backup power
- Medical facilities
- UPS for banking system
- Computer backup power
- Marine system
- UPS for fire fighting system
- Toys

### Parts:

Executed Standard:GB/T 19639.1-2005

Cover	Container Bottom	Terminal	Positive Plate	Negative Plate	Separator	Electrolyte	Safety Valve	Seal Glue
ABS	ABS	Copper	PbO <sub>2</sub>	Pb	AGM	dilute sulphuric acid	Rubber	Epoxy Resin

### Packing

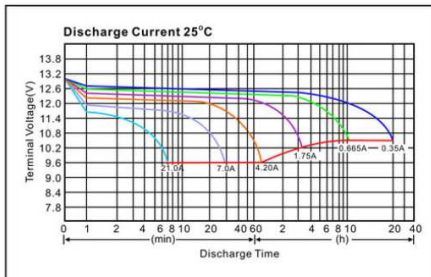
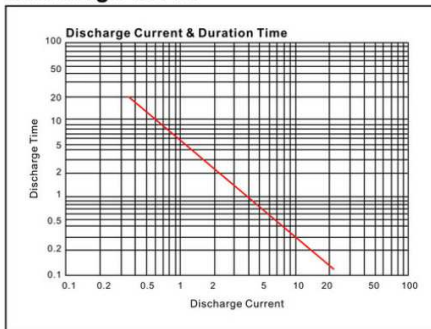
Date	Battery Packing	Inner Packing	Outer Packing
① Printing	① Polybag	Paper Box	Carton Packing
② Branded	② Shrink		
Carton Sealing		Accessories	
① Packing Strap	Bolts&nuts	Mini Charger	
② Shrink	With	Optional	

### Parameter Chart:

Volts		12V	
Capacity(25°C)	20 hours rate (0.35A)	7.0Ah	
Discharge Current Testing (25°C)	20 I <sub>10</sub> rate (7A, 27min)	33min	
	60 I <sub>10</sub> rate (21A, 7min)	7min	
Internal Resistance	Full Charged Battery 25°C	25mΩ	
Capacity Affected By Temperature (20 hours rate)	40°C	102%	
	25°C	100%	
	0°C	85%	
	-15°C	62%	
Residual Capacity (25°C)	Capacity After 3 Months Storage	91%	
	Capacity After 6 Months Storage	82%	
	Capacity After 12 Months Storage	64%	
Cycle (Above 300 Time)	Discharge 2hrs at 1.75A Current Charge 6hrs at 0.7A Current (25°C)		
Charge (Constant Voltage)	Cycle (25°C)	Initial Charging Current Less Than 2.1A Voltage 14.5-14.9V	
	Float (25°C)	Charge Voltage 13.6-13.8V	
Weight (Approx)		2.13Kg	

\*The above are average and date obtained from the first 3 charge/discharge cycles. These are not minimum values.

### Discharge Curve



Constant Current Discharge (Amperes) at 25°C (77°F)												
F.V/Time	5min	10min	15min	30min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	10Hr	20Hr
1.80V/cell	19.32	14.49	10.50	7.07	4.13	2.31	1.750	1.400	1.232	1.008	0.658	0.343
1.75V/cell	20.02	14.77	10.71	7.21	4.19	2.38	1.820	1.470	1.260	1.022	0.672	0.350
1.70V/cell	21.84	15.68	11.34	7.49	4.27	2.45	1.869	1.491	1.281	1.043	0.685	0.356
1.65V/cell	24.01	17.01	12.32	7.91	4.27	2.46	1.890	1.509	1.295	1.050	0.693	0.357
1.60V/cell	26.04	17.85	12.95	8.26	4.34	2.52	1.904	1.519	1.309	1.071	0.700	0.364

Constant Power Discharge (Watts/cell) at 25°C (77°F)												
F.V/Time	5min	10min	15min	30min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	10Hr	20Hr
1.80V/cell	253.09	186.31	149.31	88.79	50.95	27.60	20.399	16.860	14.070	11.820	7.858	4.116
1.75V/cell	292.91	201.81	156.20	92.19	52.47	28.14	20.811	17.160	14.280	12.000	7.990	4.200
1.70V/cell	311.22	209.12	160.99	94.29	53.42	28.62	21.000	17.460	14.360	12.240	8.022	4.221
1.65V/cell	325.21	214.12	164.68	95.59	54.06	28.92	21.151	17.640	14.410	12.360	8.039	4.229
1.60V/cell	336.00	218.40	168.00	96.60	54.60	29.22	21.269	17.820	14.448	12.480	8.039	4.229

### Loading Info

Master Carton			Pallet			20 GP	
Pcs/Ctn	Size(mm)	N.W.(kg)	Size(mm)	Total CTNS	N.W.(T)	Pallet Qty	Battery Qty(pcs)
10 PCS	340*310*128	21.30	1.12*1	72	1.53	10	7200
			1.12*0.75	66	1.41	2	1320