

PW4122D

When in need, you got the power

PN: BTVA-04122PW-CN01B

EAN: 6422956008833

Specifications

Battery Model	PW4122D 12V/4.5A
Capacity (25°C)	4.50Ah - 20HR (0.225A)
Voltage	12V
Type	VRLA - maintenance free
Designed Floating Life	3~5 years
Terminal	T1 (F1)

Construction

Positive Pole	Lead dioxide
Negative Pole	Lead
Container & Cover	ABS
Sealant	Epoxy
Safety valve	Rubber
Terminal	Copper
Separator	Fiberglass
Electrolyte	Sulfuric acid
Internal Resistance	Full charged at 25°C ≤ 39mΩ
Self Discharge (20°C)	2% of capacity declined per month

Capacity Affected by Temp. (20HR)

40°C	102%
25°C	100%
0°C	85%
-15°C	65%

Charge Voltage (25°C)

Cycle use	14.4-14.7V (-30mV/°C), max. Current: 1.35A
Float use	13.5-13.8V (-20mV/°C)

Physical

Without Terminal	90 x 70 x 101 mm
With Terminal	90 x 70 x 107 mm
Product Weight	1.42 Kg



Completely sealed and maintenance-free



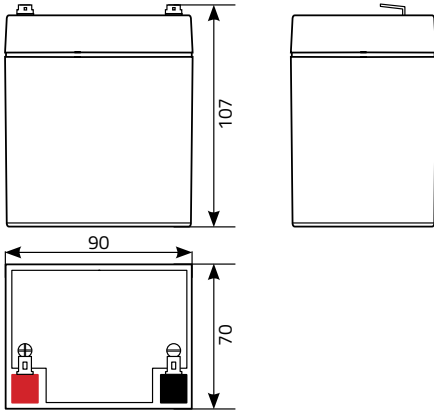
Excellent charging and re-charging



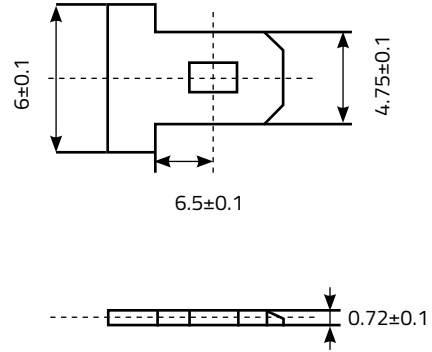
Floating & standby use: 3-5 years

- Small size battery
- Excellent charging and re-charging
- Stable and reliable for long-term
- Low self-discharge
- Floating & standby use: 3-5 years
- More than 260 cycles at 100% DOD
- Multiple Application: Alarm and Security Systems, Cable Television, Communication Equipment, Power Tools, Control Equipment, Medical Equipment, UPS, Toys

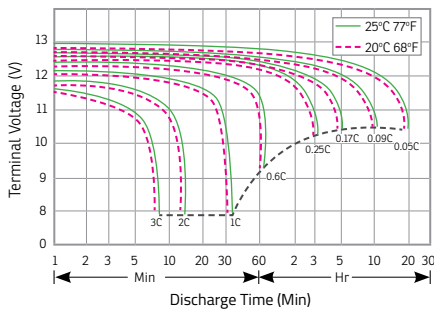
PW4122D Dimensions (mm)



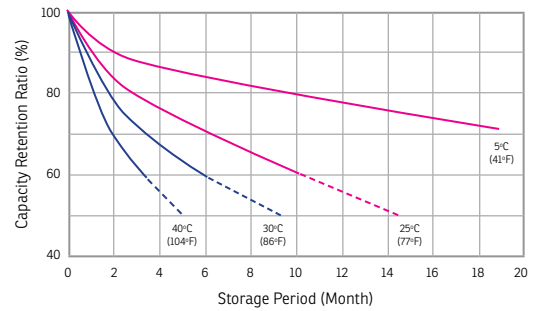
T1 (F1) Terminal Dimensions (mm)



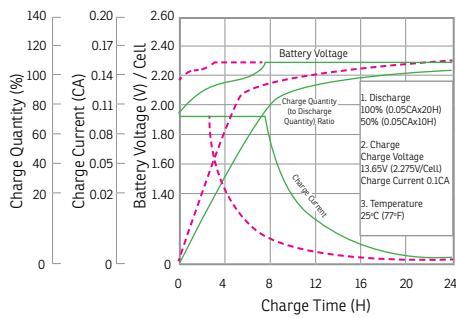
Terminal Voltage (V) and Discharge Time



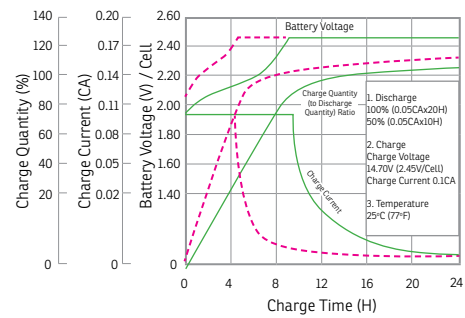
Capacity Retention Characteristic



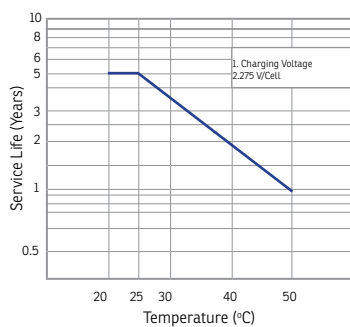
Battery Voltage & Charge Time for Standby Use



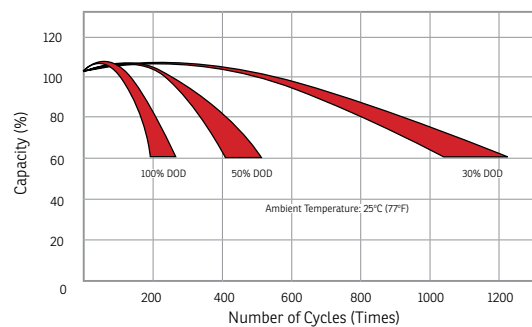
Battery Voltage & Charge Time for Cycle Use



Tickle (or Float) Service Life



Cycle Service Life





Constant Current Discharge Characteristics (A), 25oC

F.V/Time 5	5min	10min	15min	30min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	10Hr	20Hr
1.85V/Cell	12.84	9.60	7.08	4.47	2.60	1.49	1.14	0.909	0.780	0.636	0.417	0.217
1.80V/Cell	13.09	9.78	7.22	4.56	2.65	1.52	1.16	0.926	0.795	0.648	0.425	0.221
1.75V/Cell	13.34	9.97	7.35	4.65	2.70	1.54	1.18	0.943	0.810	0.660	0.433	0.225
1.70V/Cell	14.54	10.57	7.79	4.83	2.74	1.57	1.20	0.960	0.824	0.672	0.441	0.229
1.67V/Cell	16.00	11.46	8.45	5.10	2.77	1.59	1.21	0.970	0.833	0.679	0.445	0.231
1.60V/Cell	17.34	12.06	8.90	5.32	2.80	1.61	1.23	0.981	0.842	0.686	0.450	0.234



Constant Wattage Discharge Characteristics (W), 25oC

F.V/Time 5	5min	10min	15min	30min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	10Hr	20Hr
1.85V/Cell	25.05	18.72	13.81	8.73	5.06	2.90	2.22	1.77	1.52	1.24	0.81	0.42
1.80V/Cell	25.53	19.08	14.07	8.89	5.16	2.96	2.26	1.81	1.55	1.26	0.83	0.43
1.75V/Cell	26.00	19.44	14.34	9.06	5.26	3.01	2.30	1.84	1.58	1.29	0.84	0.44
1.70V/Cell	28.34	20.60	15.20	9.42	5.35	3.07	2.34	1.87	1.61	1.31	0.86	0.45
1.67V/Cell	31.20	22.35	16.49	9.95	5.41	3.10	2.37	1.89	1.62	1.32	0.87	0.45
1.60V/Cell	33.81	23.52	17.35	10.37	5.46	3.13	2.39	1.91	1.64	1.34	0.88	0.46



Logistics

	Carton Box Size	370 x 190 x 130 mm
	Pieces in the Carton Box	10 pcs / ctn
	Net & Gross weight / CTN	N.W. / G.W.: 14.2 kg / 14.5 kg



Certificates

RoHS

2011/65/EU

