

BPD SOLAR SERIES

DEEP CYCLE VRLA BATTERY

Voltage covers: 6V, 12V

Capacity: From 7Ah to 250Ah

Designed floating service life: 12 years @ 20 °C/68 °F.

RANGE SUMMARY

The Deep Cycle series is designed for frequent cyclic charge and discharge applications under extreme environment. By combining the newly developed Nano Gel electrolyte with high density paste, the Solar range offers high recharge efficiency at very low charge current. The acid stratification is highly reduced by adding Nano Gel. This series is suited for energy storage for renewable energies such as PV, wind turbine power systems and CATV.

FEATURES AND BENEFITS

- 12 years float life at 20°C
- Up to 5 years design life at renewable energy applications according to IEC61427
- Wide operating temperature range from -15°C to 60°C
- Nano gel electrolyte eliminate the acid stratification and prolong cycle life
- Round trip efficiency as high as 85%.
- Thick positive flat plate design with high Tin low Calcium alloy and high density paste
- Low self-discharge rate and long shelf life (9 months at 25°C)
- Excellent deep discharge recovery capability

APPLICATIONS

- Photovoltaic Systems
- Renewable Energy Systems
- Electric Utilities
- Outdoor Control Equipments
- Railroad Utilities

SPECIFICATIONS >>

BATTERY TYPE	Nominal Voltage (V)	20Hr Capacity to 1.80Vpc (Ah)	External Dimension								Weight		Terminal Type
			Length		Width		Height		Total Height		Approx(±3%)		
	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	Kgs	Ibs	
BPD6-100	6	100	195	7.68	170	6.69	207	8.15	212	8.35	16	35.27	M8
BPD6-150	6	150	260	10.24	180	7.09	247	9.72	252	9.92	23.5	51.81	M8
BPD6-200	6	200	323	12.72	178	7.01	226	8.90	231	9.09	31	68.34	M8
BPD6-310	6	310	295	11.61	178	7.01	354	13.94	360	14.17	46	101.41	M8
BPD6-380	6	380	295	11.61	178	7.01	404	15.91	410	16.14	55.3	121.92	M8
BPD6-420T	6	420	295	11.61	178	7.01	404	15.91	421	16.69	56.8	125.22	M8
BPD12-33	12	33	195	7.68	130	5.12	155	6.10	179	7.05	11.2	24.69	L5/M5
BPD12-38	12	38	197	7.76	165	6.50	170	6.69	170	6.69	14.5	31.97	L6/M5
BPD12-50	12	50	229	9.02	138	5.43	208	8.19	212	8.35	17	37.48	L7/M6
BPD12-65	12	65	350	13.78	166	6.54	173	6.81	173	6.81	21	46.30	L8/M6
BPD12-70	12	70	259	10.20	169	6.65	208	8.19	212	8.35	22.5	49.60	L9/M6
BPD12-80	12	80	259	10.20	169	6.65	208	8.19	212	8.35	22.5	49.60	L9/M6
BPD12-90	12	90	307	12.09	169	6.65	208	8.19	227	8.94	26.3	57.98	L9/M6
BPD12-100	12	100	329	12.95	172	6.77	214	8.43	217	8.54	31	68.34	L10/M8
BPD12-120	12	120	406	15.98	173	6.81	208	8.19	236	9.29	36	79.37	L11/M8
BPD12-150	12	150	485	19.09	172	6.77	240	9.45	240	9.45	46	101.41	L12/M8
BPD12-200	12	200	522	20.55	240	9.45	219	8.62	244	9.91	63	138.89	L13/M8
BPD12-250	12	250	520	20.47	269	10.59	220	8.66	232	9.13	71	156.53	L13/M8



Battery Bank



Wind System



Solar System