NPS Series-Solar Battery for Solar/Remote Power System

NPS Series Solar Batteries are specifically designed with revolutionary long life plate plus hybrid gel technology for solar power storage.Solar batteries are traditionally hard working batteries and are usually cycled on a daily basis as part of primary power source of electricity where no grid power is available.

Solar batteries are an intricate components for off-grid electrical systems such as solar,wind, and mini hydroelectric systems. All these systems produce DC electrical which must be stored so that it may be used at a later time . In order to do this at the present time, CBB offers deep cycle gel batteries for this applications.

Deep Cycle batteries are used because they have the ability to be recycled many times. This Means that they can go from being charged to being discharged to 50% numerous times without damaging the batteries unlike that of other batteries such as cranking batteries which are used to start vehicles.

Gel technology attributes solar batteries not only a lower resistance of AGM batteries, but also longer cyclic life and better thermal stability.

Features

- Deep cycle design,high energy density
- Hybrid gel technology, longer cyclic life and better thermal stability
- FAA and IATA approved as non-hazardous.
  Meet EUROBAT(draft IEC896-2),IEEE,JIS and BS6290,using UL certified components
- Full recovery from deep discharge even when the battery is not recharged immediately
- Ideal for repeat cycling daily use
  Excellent performance over long discharges
- Improved resistance to freezing
  Suitable where mains power is unstable
- Lower self -discharge
  Improved charge acceptance due to low internal resistance
- High resistance to water loss with the right charging set up
- Ultra stable polymer separator with glass mat for increased performance
  High resistance to shorting due to superior mechanical strength of the polymer separator

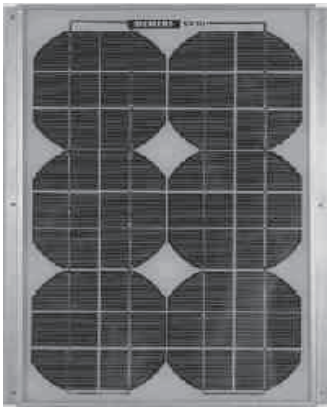
Applications

Photovoltaic power supply of:

-Power plants of remote villages,off- grid system
-Signal Installations of the air,sea,road and railway transport
-Radio relay stations of telecommunication services
-Cellular roadside and roof top transmission/repeater stations
-Street & garden lighting
-Hybrid power supplies

Batteries have terminal options to meet the multitude of connection requirements

CBB SOLAR are all SLA-VRLA Deep cycle gel industrial Monobloc units,eliminating the need for maintenance and the possibility of acid spills.



NPS Series-General Specification

Model No	Rated Voltage (V)	Rated Capacity (Ah)	Dimension								Weight		Terminal
			Length		Width		Height		Total Height		kg	pound	
			mm	inch	mm	inch	mm	inch	mm	inch			
6V SOLAR GEL BATTERY													
NPS130-6	6	130/10HR	260	10.24	180	7.09	246	9.69	252	9.92	20.6	45.32	T5
NPS180-6	6	180/10HR	306	12.05	168	6.61	220	8.66	226	8.90	26.1	57.42	T5
NPS200-6	6	200/10HR	260	10.24	180	7.09	246	9.69	252	9.92	27.6	60.72	T5
NPS225-6A	6	220/10HR	323	12.72	178	7.01	226	8.90	230	9.06	29.6	65.12	T5
NPS225-6B	6	225/10HR	260	10.24	180	7.09	246	9.69	252	9.92	29.6	65.12	T5
12 V SOLAR GEL BATTERY													
NPS24-12	12	24/10HR	165	6.50	126	4.96	174	6.85	179	7.05	7.8	17.16	T2
NPS26-12	12	26/10HR	166	6.54	175	6.89	126	4.96	126	4.96	8.4	18.48	T2
NPS33-12	12	33/10HR	196	7.72	130	5.12	155	6.10	167	6.57	10.1	22.22	T3
NPS38-12	12	38/10HR	197	7.76	166	6.54	174	6.85	179	7.05	12.4	27.28	T2
NPS42-12	12	42/10HR	198	7.80	166	6.54	174	6.85	174	6.85	13	28.60	T2
NPS50-12	12	50/10HR	229	9.02	138	5.43	208	8.19	226	8.90	16.4	36.08	T3
NPS55-12	12	55/10HR	229	9.02	138	5.43	208	8.19	226	8.90	17.4	38.28	T3
NPS60-12	12	60/10HR	350	13.78	167	6.57	178	7.01	178	7.01	20.6	45.32	T3
NPS65-12	12	65/10HR	350	13.78	167	6.57	178	7.01	178	7.01	21.4	47.08	T3
NPS70-12	12	70/10HR	260	10.24	169	6.65	211	8.31	215	8.46	21.8	47.96	T3
NPS75-12	12	75/10HR	260	10.24	169	6.65	211	8.31	215	8.46	22.2	48.84	T3
NPS80-12	12	80/20HR	260	10.24	169	6.65	211	8.31	215	8.46	23.5	51.70	T3
NPS85-12	12	85/10HR	331	13.03	174	6.85	214	8.43	219	8.62	25	55.00	T4
NPS90-12	12	90/10HR	307	12.09	169	6.65	211	8.31	215	8.46	26.7	58.74	T3
NPS100-12	12	100/10HR	331	13.03	174	6.85	214	8.43	219	8.62	30.7	67.54	T4
NPS120-12	12	120/10HR	407	16.02	174	6.85	210	8.27	233	9.17	34.4	75.68	T5
NPS150-12	12	150/10HR	484	19.06	171	6.73	241	9.49	241	9.49	43.5	95.70	T4
NPS200-12	12	200/10HR	522	20.55	240	9.45	219	8.62	223	8.78	60.7	133.54	T5
NPS220-12	12	220/10HR	522	20.55	268	10.55	203	7.99	207	8.15	68.3	150.26	T5
NPS250-12	12	250/10HR	520	20.47	268	10.55	220	8.66	224	8.82	71	156.20	T5
2V SOLAR GEL BATTERY													
NPS100-2	2	100/10HR	171	6.73	72	2.83	205	8.07	222	8.74	5.9	12.98	T4
NPS150-2	2	150/10HR	171	6.73	102	4.02	206	8.11	223	8.78	8.2	18.04	T4
NPS200-2	2	200/10HR	170	6.69	106	4.17	330	12.99	367	14.45	13.1	28.82	T5
NPS300-2	2	300/10HR	171	6.73	151	5.94	330	12.99	365	14.37	18.6	40.92	T5
NPS400-2	2	400/10HR	211	8.31	176	6.93	329	12.95	367	14.45	26	57.20	T5
NPS500-2	2	500/10HR	241	9.49	171	6.73	329	12.95	367	14.45	31.2	68.64	T5
NPS600-2	2	600/10HR	301	11.85	175	6.89	331	13.03	366	14.41	37.9	83.38	T5
NPS800-2	2	800/10HR	410	16.14	176	6.93	330	12.99	365	14.37	51.8	113.96	T5
NPS1000-2	2	1000/10HR	472	18.58	172	6.77	338	13.31	355	13.98	62.3	137.06	T5
NPS1500-2	2	1500/10HR	401	15.79	351	13.82	342	13.46	378	14.88	97	213.40	T5
NPS2000-2	2	2000/10HR	491	19.33	351	13.82	343	13.50	383	15.08	131	288.20	T5
NPS2500-2	2	2500/10HR	712	28.03	353	13.90	341	13.43	382	15.04	181	398.20	T5
NPS3000-2	2	3000/10HR	712	28.03	353	13.90	341	13.43	382	15.04	191	420.20	T5