

ALTERNATIVE POWER FROM AN ISO 9001 AND 14001 COMPANY





ABOUT POWERBUILD

Power Build Batteries Pvt. Ltd. was established in the year 1992. We introduce ourselves as manufacturers of Lead Acid Batteries and Components. We are a registered small scale industry with 150 permanent workers and a floor area of 35000 sq. feet for our manufacturing facility, within this facility all critical components are manufactured with stringent quality measures. We are an ISO 9001 & 14001 organization managed by a 5 member board headed by its Technical Director S. Mohan, B.E, M.S (USA) with immense experience in the field of batteries. The motto of the company is to "POWER THE MASSESS" with affordable energy storage products, and this we do it with passion and hence our caption is "WE POWER WITH PASSION". Power Build Batteries Pvt. Ltd., within a short span of time could earn a name in the stand-by power industry due to its International quality and prompt service.

"POWER BUILD" the name itself indicates to "Empower" our customer by affordable products. We believe that lack of power should not be a reason of concern for anybody's progress/growth, hence making power available at the least cost is our objective.

As a matter of job satisfaction with honesty, all the five directors decided to patronize the battery industry and that's how POWER BUILD was born after establishing the engineering industry by having most of their sales coming from local sales to UPS manufacturers, Solar Industries, Electricity Boards in various states, and Railways. POWER BUILD found that the battery industry can be more better shaped professionally as professionalism is one which everyone in power build strive for within a short span of time, Power build have grown by leaps and bounds and is really proud that we have been serving the Indian Government Departments and major UPS companies in the country for a decade with our service branches at Calcutta, Jabalpur, Jaipur, Delhi, Mumbai, Assam, Haryana, Kerala, Tamilnadu.

Power Build Batteries believe that communication is the major capital of any kind of blue chip company 35 customer support branches all over India. Team Power Build have unique blend of young, experienced and self motivated staff which has developed a wide range of products for the power sector, solar industry in short period. The advanced infrastructure along with dedicated manpower is the strength of the company.

Power Build was first awarded ISO certificate in the year 1997, since then the company have committed itself to quality. This is achieved by excellent in-house chemical and state of art electrical lab for raw materials, in process materials and final products testing.



POWERBUILD ET SERIES TUBULAR BATTERIES

POWER BUILD products have been Hall mark of Quality since inception. These high performance products are produced under stringent quality norms with strict enforcement of ISO 9001 Quality Management System and 14001 Environment System.

- ▶ Special Lead Alloy Encompass Virgin Active Materials
- ▶ Ultra Low Maintenance
- ▶ Quality and Reliability-Electrical and Chemical Lab.
- ▶ Automated Casting Section
- ▶ Auto Controlled Electrodes Formation
- ▶ Auto Heat Sealing Assembly Line
- ▶ Own Engineering Solutions
- ▶ Own Container And cover Plants

Sr. No.	Battery Type	Capacity AH @ 27 deg C		Filled Battery Wt. (+/-3 Kg)	Battery Dimentions + 5mm			
		C 20	C 10		L mm	W mm	H1 mm	H2 mm
1	100 ET	100	80	48.0	502	188	370	410
2	120 ET	120	100	55.5	502	188	420	460
3	150 ET	150	120	57.5	502	188	420	460
4	180 ET	180	150	62.5	502	188	420	460
5	200 ET	200	165	66.0	502	188	420	460





POWERBUILD ST SERIES TUBULAR BATTERIES

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		C 20	C 10		L mm	W mm	H1 mm	H2 mm
1	25 ST	25	20	17.0	305	172	200	240
2	50 ST	50	40	20.5	305	172	200	240
3	75 ST	75	60	27.5	410	172	210	250
4	100 ST	100	80	38.0	512	212	215	266
5	130 ST	130	100	45.0	515	275	215	266
6	150 ST	150	120	54.0	515	275	255	290



POWERBUILD F SERIES INVERTER BATTERIES

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Type 12 V	Cap @ C10	Size (mm) L x W x H	Dry Wt. Kg.	Acid Vol. Ltrs.	Net Wt. Kg.
100 F	100Ah	512 X 213 X 236	25.0	12.0	40.0
130 F	120 Ah	518 x 273 x 255	30.0	16.8	50.0
150 F	150 Ah	518 x 273 x 255	37.2	16.6	57.0
180 F	180 Ah	518 x 273 x 255	44.0	15.8	63.0





POWERBUILD AUTOMOTIVE BATTERIES

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Type 12 V	Cap @ C20	Size (mm) L x W x H	Dry Wt. Kg.	Acid Vol. Ltrs.	Net Wt. Kg.
NS 40	36 Ah	194 x 124 x 224	8.0	2.8	10.0
N-50	60 Ah	260 x 170 x 216	12.8	5.0	19.0
N-70	75 Ah	303 x 172 x 225	15.0	5.7	21.0
N-88TR	88 Ah	410 x 175 x 230	18.0	7.2	26.8
N-100	100 Ah	410 x 175 x 230	19.0	6.6	27.5
N-120	120 Ah	512 x 182 x 236	22.0	10.8	31.0
N-150	150Ah	512 x 213 x 236	30.0	11.4	44.0
N-180	180Ah	518 x 273 x 236	34.5	14.4	52.3
N-200	200Ah	518 x 273 x 236	38.0	13.4	55.0



POWER BUILD STATIONARY TUBULAR BATTERIES

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CAPACITIES AT VARIOUS RATES OF DISCHARGE - IS 1651 - 91 TABLE - 3

Hours	10	9	8	7	6	5	4	3	2	1
Capacity %	100	97.9	95.0	91.7	87.9	83.3	78.2	71.7	63.3	50.0
End Volts (V)	1.85	1.84	1.84	1.83	1.83	1.82	1.81	1.80	1.78	1.75

TECHNICAL SPECIFICATIONS

Our Cell Designation	Capacity at 10 Hr Rate as per IS 1651 Table 3	Overall Dimension			Weight (Approx.)		First Charge Current	Recharge Current	
		L ±5 TOL	W ± 5 TOL	H ±15 TOL	With Acid	Without Acid		Upto 2.4 VPC	Till Full Charge
1	2	3	4	5	6	7	8	9	10
	AH	mm	mm	mm	Kgs.	Kgs.	A	A	A
PBS 20	20	95	165	275	6	4.0	1	2	1
PBS 40	40	95	165	275	6.9	5.0	2	4	2
PBS 60	60	95	165	275	7.6	6.0	3	6	3
PBS 80	80	145	170	280	11.1	7.8	4	8	4
PBS 100	100	145	170	440	15.6	10.5	5	10	5
PBS 120	120	145	170	440	15.9	11.1	6	12	6
PBS 150	150	145	170	440	17.5	13.3	7.5	15	7.5
PBS 200	200	215	185	485	27	20	10	20	10
PBS 300	300	215	185	485	37	28	15	30	15
PBS 400	400	265	210	485	49	38	20	40	20
PBS 500	500	265	210	515	57	41	25	50	25
PBS 600	600	265	210	535	64	45	30	60	30
PBS 700	700	305	220	700	74	52	35	70	35
PBS 800	800	305	220	700	84	60	40	80	40
PBS 900	900	305	220	700	94	67	40	90	45
PBS 1000	1000	305	220	700	105	75	50	100	50



POWER BUILD HR EL SERIES BATTERIES

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Type 12V	Cap @ C20	Size (mm) L x W x H	Dry Wt. Kg.	Acid Vol. Ltrs.	Net Wt. Kg.
80 EL	80 Ah	440 X 182 X 360	38.0	14.4	53.7
100 EL	100 Ah	440 X 182 X 360	42.5	13.2	57.3
120 EL	120 Ah	440 X 182 X 360	44.5	12.8	43.6
140 EL	140 Ah	440 X 182 X 360	53.5	12.6	68.5





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Type 12 V	Cap @ C10	Size (mm) L x W x H	Dry Wt. Kg.	Acid Vol. Ltrs.	Net Wt. Kg.
40 HR	40 Ah	432 x 177 x 228	19.0	6.6	27.1
60 HR	60 Ah	520 x 225 x 245	30.0	10.0	40.0
80 HR	80 Ah	510 x 278 x 260	40.0	14.0	58.0
100 HR	100 Ah	510 x 278 x 260	45.0	13.8	62.0
120 HR	120 Ah	510 x 278 x 260	50.5	12.0	65.2
150 HRJ	150Ah	525 x 280 x 360	58.7	20.4	84.0
180 HRJ	180 AH	525 x 280 x 360	65.4	19.8	89.0
200 HRJ	200 AH	525 x 280 x 360	71.4	19.0	95.6



ZIP ET SERIES TUBULAR BATTERIES

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Sr. No.	Battery Type	Capacity AH @ 27 deg C		Filled Battery Wt. (+/-3 Kg)	Battery Dimentions + 5mm			
		C 20	C 10		L mm	W mm	H1 mm	H2 mm
1	120 ET	120	100	55.5	502	188	420	460
2	150 ET	150	120	57.5	502	188	420	460
3	180 ET	180	150	62.5	502	188	420	460
4	200 ET	200	165	66.0	502	188	420	460





ZIP T SERIES TUBULAR BATTERIES

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- ▶ Auto Heat Sealing Assembly Line
- ▶ Own Engineering Solutions
- ▶ Own Container And cover Plants

Sr. No.	Type 12 V	Cap @ C 20	L mm	W mm	H1 mm	H2 mm	Filled Battery Wt. (+/-3 Kg)
1	25 ST	25	305	172	200	240	17.0
2	50 ST	50	305	172	200	240	20.5
3	75 ST	75	410	172	210	250	27.5
4	100 ST	100	512	212	215	266	38.0
5	130 ST	130	515	275	215	266	45.0
6	150 ST	150	515	275	255	290	54.0



ZIP F SERIES INVERTER BATTERIES

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Type 12 V	Cap @ C10	Size (mm) L x W x H	Dry Wt. Kg.	Acid Vol. Ltrs.	Net Wt. Kg.
100 F	100Ah	512 X 213 X 236	25.0	12.0	40.0
130 F	120 Ah	518 x 273 x 255	30.0	16.8	50.0
150 F	150 Ah	518 x 273 x 255	37.2	16.6	57.0
180 F	180 Ah	518 x 273 x 255	44.0	15.8	63.0



VEHICLE FITMENT CHART

Type 12V	Cap@ C20	Size-mm L x W x H	Dry Wet Kg.	Acid Vol Ltrs.	Net Wt Kg.	Initial/Normal Charging Current (AMPS)	Applications
NS-40	36AH	194 x 124 x 224	8	2.8	10	2.50	Maruti 800 MPFI, Gypsy, Omni, Honda Gensets, Maruthi 800, Alto, Baleno, Altura, Wagon - R, Swift (P), SX4, Zen Estilo, Esteem (P/D), Mitsubishi Lancer (P), Cedia (P), Honda City, Toyota Corolla, Innova (P), Hyundai Santro, Tata India(P), Indigo(P), Marina, Matiz, Spark(P).
N-50	60AH	260 x 170 x 216	12.8	5	19	4.00	Tata Indica (D), Indigo (D), Marina, Mitsubishi, Pajero DI, Peugeot 309D, HM-Ambassador (P), ISZ, Contessa (P), Premier - Padmini (D), MM - Champion.
N-70	75AH	303 x 172 x 225	15	5.7	21	5.00	Ambassador (P), Contessa (D), Tata Motors Sierra, Sumo, Estate, Sumo, Safari, 407, DCM Toyota, Bajaj Tempo, Traveller, Trax, Matador 305 & 307, Daewood Dyna, Canter HCV 24, Cabstar, Ashok Leyland - Comet, Tusker, Taurus Mitsubishi Pajero, Esorts 330, 335, 345, Tractors - Eicher, M&M, TAFE, Sonalika, HMT, Swaraj, Greaves.
88-TR	88AH	410 x 175 x 230	18	7.2	26.8	6.00	Tractors Eicher, MM (all Models), HMT-2511, 3511 4511, 5911, 2522, 352, 240, 224, 920, New Holland -3230, 3630, PTL - 724, 735, HMT -ZETOR, 20T, AL -Tipper, John Deere 55, 47, 37, Sonalika, Escorts- E325, 335, 340, 342, FT 45, 60, 450, 475, AMW 2418HL, 2523PP, 4923PR, 4017PR.
N-100	100AH	410 x 175 x 230	19	6.6	27.5	7.00	Escorts- E345, 355, Power Trac 445,455, New Holland 5630, PTL 855, TAFE - Mahaan, Mf245, Gajraj, 375ET, Valtra 6100, Ashoka Leyland -Iveco, Stallion, Esorts JCB Loaders 3D, 6100, Tata Motors 608, 709, Swaraj Mazda, 3T LCV, Standard -20 (LCV), Man Force CLA 40, 289, 49, 280, 25, 180, Kirloskar 15, 30 Gensets.
N-120	120AH	512 x 182 x 236	22	10.8	31	8.50	Ashoka Leyland -Hippo, Beaver, Viking, Cheetha, TAFE 375ET, Tata Motors Ex 200LC - 1, EX2106 CH - V, EX 100 T - 320, TWL-3036, TJD 315SE, TFC - 35, Trawlers.
N-130	135AH	512 x 213 x 236	24	11.2	37	9.70	Tata Motors - 1510, 1313, 2515, 1613LPT, Ashoka Leyland - Dumpers, Slag, Eicher - HCV, Escorts - JCB, AMW - 2518HL, 2523, 4923PR, 4018PR.
N-150	150AH	512 x 213 x 236	30	11.4	44	10.50	Tata Motors - Lp 1512, 2515C, 1512C, Ashoka Layland - Cheetha AL, Crusier, Panther, Dumper, BEML -D -50 Dozers Excavators, Tata Motors - Excavators, Kirloskar, Cummins Gensets - 15, 30 KVA, 125 - 160 KVA (Water Cooled), 15 -75 KVA Air Cooled L & T Poclain Escorts JCB -HM, WA 2000, Track Shovel.
N-180	180AH	518 x 273 x 236	34.5	14.4	52.3	12.50	Tata Motors - 1613, 3015, 3515, 3613, Excavators EX 300 - 500, BEML -D-80 Dozers, Tatra 815, T3B928 - 10, Volvo FH - 7, FH-12, Kirloskar, Greaves Gensets - 40 -100 KVA Water Cooled, 110 - 590, 1000 - 1250 KVA Air Cooled HMT Tankers Access Platform Truck.
N-200	200AH	518 x 273 x 236	38	13.4	55	14.00	Tata Motors - 1613, 3015, 3515, 3613, Excavators EX 300 - 500, BEML -D-80 Dozers, Tatra 815, T3B928 - 10, Volvo FH - 7, FH-12, Kirloskar, Greaves Gensets - 40 -100 KVA Water Cooled, 110 - 590, 1000 - 1250 KVA Air Cooled HMT Tankers Access Platform Truck.

- While charging observe for free gassing and stop charging once the voltage and specific gravity reaches constant value in three consecutive hourly readings.
- If the new battery is beyond 3 months old from the month of manufacturing, the charging duration should be extended.
- Due to constant R&D efforts, the technical specifications are subject to change.
- STATUTORY REQUIREMENT : AS PER LAW, IT IS MANDATORY TO RETURN THE USED BATTERY TO TE MANUFACTURER/ DEALER.
- All datas be changed without prior notice, **POWERBUILD BATTERIES PVT. LTD.** reserves the right to explain and update the information contained here into.



CCPL



Registration Certificate

Issued to

**POWER BUILD BATTERIES
PVT. LTD.**

Carried out at following site:

NO. 4- M, KIADB INDUSTRIAL AREA, YEDEHALLI VILLAGE,
(TUMKUR ROAD) DABASPET, BANGALORE RURAL DIST.- 562 111
(KARNATAKA) (INDIA)

for their

ISO 14001: 2004

Scope of Activities covered by this Registration:

MANUFACTURING, DESIGN AND DEVELOPMENT OF LEAD ACID
BATTERIES AND CELLS FOR AUTOMOTIVE , PHOTOVOLTAIC
AND STATIONARY APPLICATIONS

Registration No. : CCPL/EMS/D1575
Issued on : 12/06/2010
Validity Date : 11/06/2013
Subject to Successful Surveillance Assessment
This is a single-site Certification
Authorised by

CHAIRMAN / DIRECTOR Acc. No. MSYS 013
Care Certification Pvt. Ltd.
134-A, 1st Floor, Taimoor Nagar,
New Friends Colony, New Delhi - 110 065
Website: www.carecertification.com





Certificate of Registration

This is to certify that :

POWER BUILD BATTERIES PVT. LTD.
SITE 1: NO. 4-M, KIADB INDUSTRIAL AREA VEDEHALLI, (TUMKUR ROAD)
DOBASPET, BANGALORE RURAL DISTRICT-562111, KARNATAKA, INDIA
SITE 2 : NO. 473, B-1, 1ST FLOOR, 12TH CROSS, 4TH PHASE, PEENYA INDUSTRIAL
AREA, BANGALORE-560058, KARNATAKA, INDIA

Has been assessed by International Certification Registrar Ltd., in respect of their
Quality Management Systems and found to comply with

ISO 9001:2008

Approval is hereby granted for registration providing the rules and conditions
relating to certification are observed at all times.

Certification Scope :
**MANUFACTURING, DESIGN AND DEVELOPMENT OF LEAD ACID
BATTERIES & CELLS FOR AUTOMOTIVE, PHOTOVOLTAIC AND
STATIONARY APPLICATIONS**

Certificate Issue Date : 05th February 2010
Expiration Date : 04th February 2013

Certificate No. : Q261020

The Seal of ICR Limited was here to affixed
in the presence of :


President





CORPORATE OFFICE

POWER BUILD BATTERIES PVT. LTD.

No. G 32-33-34, Kushal Garden Arcade, 1A, 2nd Phase
Peenya Industrial Area Bangalore 560 058, Karnataka, India.

Tel : +91 80 28394355 / 6033

Email : sales@powerbuildbatteries.com

REGISTERED OFFICE & FACTORY

POWER BUILD BATTERIES PVT. LTD

No 4-M, KIADB Industrial Area, Yedahalli Village
Dabaspet, Bangalore Rural Dist. 562 111, Karnataka, India.

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Email : info@powerbuildbatteries.com

OUR CUSTOMER SUPPORT NETWORK

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Chennai	+91 94440 10927
Cochin	+91 94474 83574
Coimbatore	+91 94433 14500
Delhi	+91 99687 38809
Hyderabad	+91 98666 79292
Jabalpur	+91 98310 25222
Jharkand	+91 94332 58383
Kharagpur	+91 98310 25222
Kolkata	+91 94333 65789
Mumbai	+91 95610 95914
Patna	+91 94332 58383
Rajasthan	+91 94140 75040
Trichy	+91 98430 43495
Varanasi	+91 89530 06017
Vellore	+91 94433 65597



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