

## STATIONARY LEAD ACID BATTERIES WITH HIGH PERFORMANCE PLANTE POSITIVE PLATES

**SEC-PB-RANGE**  
15 AH to 108 AH

**SEC-PS-RANGE**  
50 AH to 450 AH

### MAIN APPLICATIONS

- \* Nuclear and conventional power plants
- \* Telephone exchanges.
- \* Substations
- \* Emergency lighting for hospitals, theatres, airports, tunnels, etc.
- \* Computer power supplies
- \* Switchgear operations.
- \* No-break and UPS systems.
- \* Stationary diesel engine starting.
- \* Inverters.
- \* Regular equipment.
- \* Emergency lighting.
- \* Signalling and remote control.
- \* Telecommunications.
- \* Cathodic protection systems.
- \* And all other stationary/ stand-by applications.



APPROVED BY TELECOM AND POWER  
AUTHORITIES WORLDWIDE

### CELL DESCRIPTION

#### POSITIVE PLATES

- \* PLANTE type
- \* Pure lead (99.99%)

#### NEGATIVE PLATES

- \* Pasted grid
- \* Two level mesh for low resistance

#### VENT PLUG

- \* Sintered ceramic filter
- \* Retains acid
- \* Prevents explosion

#### CONTAINER & LID

- \* Styrene acrylonitrile (SAN)

#### PILLARS

- \* O-ring system
- \* Wide cross section
- \* Bolted connections

#### SEPARATORS

- \* Microporous and stable

#### ELECTROLYTE

- \* Large reserve for low maintenance

SEC TYPE	DIN TYPE	NORMS & STANDARDS	
		DIN	BS
SEC-PB-RANGE	GroE	40732-06/1991	440-1964
SEC-PS-RANGE		40738-06/1991	6290-1984

**Supplied Worldwide by:**

***SEC* Industrial Battery Co.**



## SEC-PB AND PS RANGE - PLANTE POSITIVE PLATES AMPERE HOUR CAPACITIES

Cell type	Capacity AH/10h DIN/BS 1.85 VPC	Volts	AMPERE HOUR CAPACITY TO 1.80 VPC AT 20 C								
			24 Hr	12 Hr	10 Hr	8Hr	5Hr	3Hr	2 Hr	1Hr	1Sec.

### PLANTE MONOBLOCS "WET" CHARGED

SEC-PB3-3	15	6	18.1	16.5	15.9	15.3	14.1	12.0	10.0	8.3	23.7
SEC-PB3-5	30	6	36.3	32.9	31.8	30.5	28.1	23.9	20.0	16.6	47.5
SEC-PB3-7	45	6	54.4	49.4	47.7	45.8	42.2	35.9	30.1	24.9	71.1
SEC-PB3-9	60	6	72.5	65.9	63.6	61.1	56.3	47.9	40.1	33.3	94.8
SEC-PB2-5	72	4	87.0	79.1	76.3	73.3	67.5	57.5	48.1	39.9	110.9
SEC-PB2-7	108	4	131	119	114	110	101	86.2	72.1	59.9	146.0

### PLANTE - 2 VOLT CELLS - SMALL "WET" CHARGED

SEC-PS-7	75	2	90.6	82.4	79.5	76.3	70.4	59.9	50.1	41.6	119
SEC-PS-9	100	2	121	110	106	102	93.8	79.8	66.8	55.4	158
SEC-PS-11	125	2	151	137	133	127	117	100	83.5	69.3	178
SEC-PS-13	150	2	181	165	159	153	141	120	100	83.2	237
SEC-PS-15	175	2	211	192	186	178	164	140	117	97.0	277
SEC-PS-17	200	2	242	220	212	204	188	160	134	111	317
SEC-PS-19	225	2	272	247	239	229	211	180	150	125	356
SEC-PS-21	250	2	302	275	265	254	235	200	167	139	396
SEC-PS-23	275	2	332	302	292	280	258	219	184	152	435
SEC-PS-25	300	2	363	329	318	305	281	239	200	166	475
SEC-PS-27	325	2	393	357	345	331	305	259	217	180	514
SEC-PS-29	350	2	423	384	371	356	328	279	234	194	554
SEC-PS-31	375	2	453	412	398	382	352	299	250	208	594
SEC-PS-33	400	2	483	439	424	407	375	319	267	222	633
SEC-PS-35	425	2	514	467	451	432	399	339	284	236	673
SEC-PS-37	450	2	544	494	477	458	422	359	301	249	712

**Stationary lead-acid battery with high performance PLANTE positive plates.  
Capacities from 75 Ah up to 450 Ah/10Hr.**

**This highly reliable range has been specially developed for the most severe discharge programs**

## SEC- PB AND PS RANGE - PLANTE POSITIVE PLATES CELL CAPACITIES, DIMENSIONS AND WEIGHTS

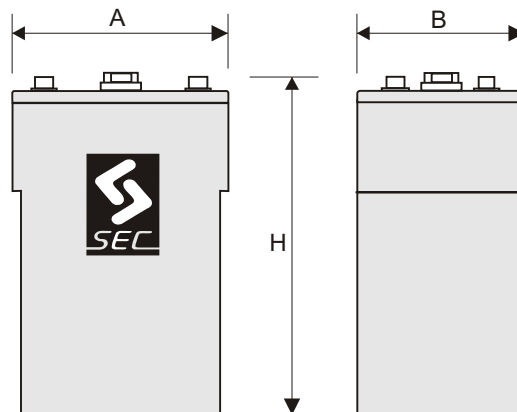
Cell type	Capacity AH/10h 1.85 VPC	DIN TYPE	Overall Dimensions of Cells			Weight in Kg.	
			Length A mm	Width B mm	Height H mm	With Electrolyte	Without Electrolyte

### PLANTE MONOBLOCS "WET" CHARGED

SEC-PB3-3	15	1GroE15	101	158	270	9.2	7.2
SEC-PB3-5	30	2GroE30	152	158	270	15.0	12.0
SEC-PB3-7	45	3GroE45	211	158	270	21.0	16.0
SEC-PB3-9	60	4GroE60	265	158	270	26.6	20.0
SEC-PB2-5	72	2GroE72	130	208	360	23.5	18.0
SEC-PB2-7	108	3GroE108	180	208	360	32.6	25.0

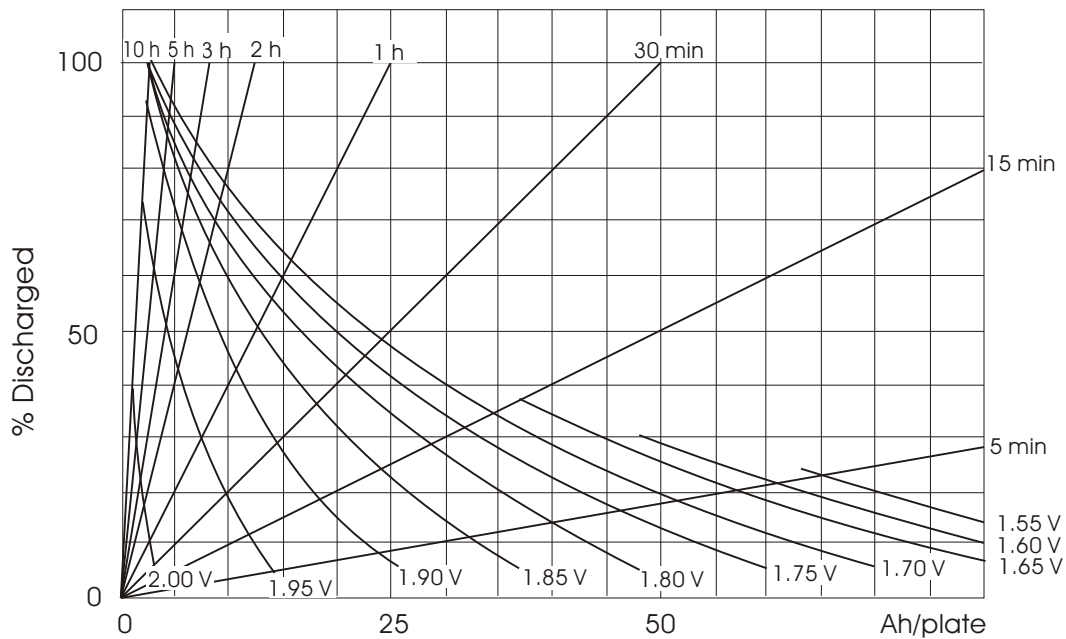
### PLANTE – 2 VOLT CELLS - SMALL "WET" CHARGED

SEC-PS-7	75	3GroE75	153	182	403	17.5	10.3
SEC-PS-9	100	4GroE100	153	182	403	19.7	13.3
SEC-PS-11	125	5GroE125	153	182	403	21.9	15.7
SEC-PS-13	150	6GroE150	153	182	403	24.1	18.1
SEC-PS-15	175	7GroE175	153	182	403	26.3	20.5
SEC-PS-17	200	8GroE200	228	182	403	33.2	23.8
SEC-PS-19	225	9GroE225	228	182	403	35.4	26.2
SEC-PS-21	250	10GroE250	228	182	403	37.6	28.6
SEC-PS-23	275	11GroE275	228	182	403	39.8	31.1
SEC-PS-25	300	12GroE300	228	182	403	42.0	33.4
SEC-PS-27	325	13GroE325	338	182	403	52.5	38.4
SEC-PS-29	350	14GroE350	338	182	403	54.7	40.9
SEC-PS-31	375	15GroE375	338	182	403	56.9	43.3
SEC-PS-33	400	16GroE400	338	182	403	59.1	45.8
SEC-PS-35	425	17GroE425	338	182	403	61.3	48.3
SEC-PS-37	450	18GroE450	338	182	403	63.5	50.8

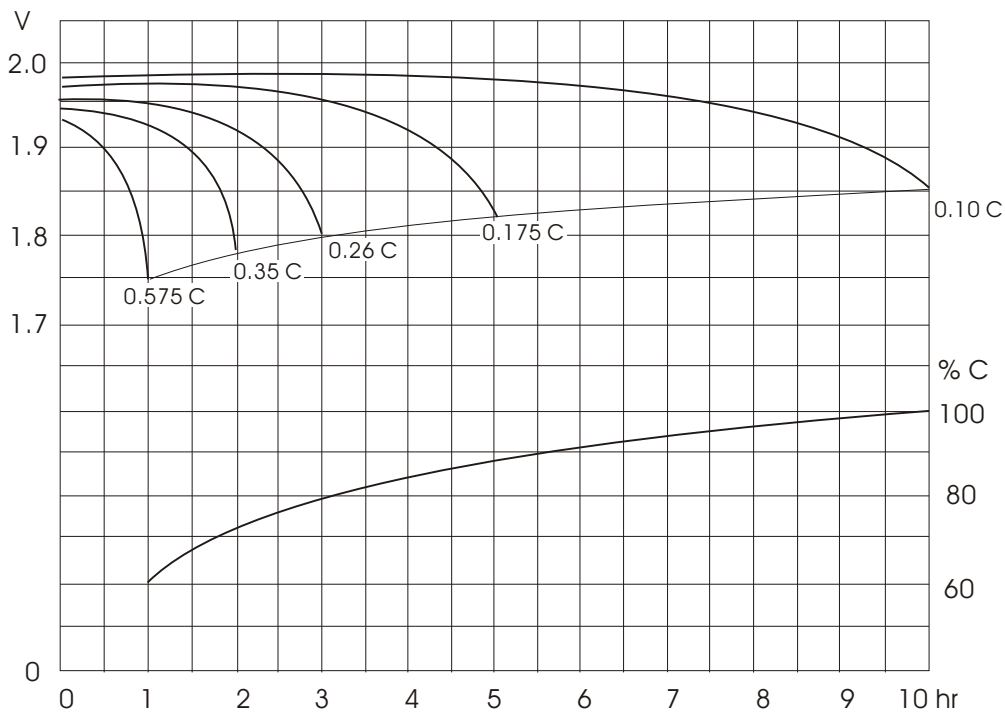


# The performance of the SEC-PS-RANGE of batteries meets both the BS and DIN standards.

## Characteristic discharge curves for SEC-PS-RANGE



Voltage and discharge duration vs. discharge capacity and discharge rate



Voltage and capacity vs. discharge duration rate

Visit our Web site for more product information on [www.secbattery.com](http://www.secbattery.com)



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