

STERLING AGM & STERLING LITHIUM



www.lincon.co.uk

- Sterling's unique construction and sealing techniques, ensures no electrolyte leakage from case or terminals allowing batteries to be positioned on their side.
- Excellent recovery from deep discharge.
- Low self-discharge - approx 3% per month.
- Not restricted for air transport - complies with IATA ICAO special provision A67.
- Maintenance Free, 98% recyclable.

Sterling HPC Series Range - AGM Deep-Cycle Plus Carbon

Features: Double cycle life when compared to standard AGM batteries • Durability for deep discharge
Advanced Carbon helps increase charge acceptance and optimises fast charging capability



Type	V	AH C100	AH C20	AH C10	AH C5	Dimensions (mm)			Total Height	Weight (kgs)	Layout	Terminal
						Length	Width	Height				
HPC90-12DT	12	93	90	85	77	260	168	208	233	23.5	0	DT
HPC100-12DT	12	115	108	104	96	306	168	208	233	27.8	0	DT
HPC115-12DT	12	130	118	113	107	330	173	212	237	31.7	0	DT
HPC150-12	12	172	160	150	132	335	172	275	278	42.4	0	M8
HPC200-12	12	215	200	190	172	527	214	222	244	56.1	3	DT
HPC220-12DT	12	245	220	210	190	387	180	346	368	59.7	1	DT
HPC260-12	12	262	250	225	205	527	280	230	252	72	3	DT
HPC165-8DT	8	---	165	152	140	260	180	252	274	29.2	1	DT
HPC200-6	6	215	208	200	172	306	168	222	228	28	---	M8
HPC210-6	6	231	210	192	173	260	180	252	274	27	5	M8
HPC225-6	6	246	224	210	192	260	180	247	253	30.5	5	M8
HPC245-6	6	270	245	232	210	243	188	275	275	32.4	5	M8
HPC265-6	6	285	268	255	230	262	180	263	268	32.9	5	M8
HPC350-6DT	6	385	350	332	305	295	180	346	368	48	5	DT
HPC400-6DT	6	435	400	375	342	295	180	406	428	54.2	5	DT

Sterling HP Series Range - General Purpose AGM Batteries

Features: Lead calcium grids • High gas recombination efficiency • Multipurpose: Float or light cyclic use



Type	V	AH C100	AH C20	AH C10	AH C5	Dimensions (mm)			Total Height	Weight (kgs)	Layout	Terminal
						Length	Width	Height				
HP1.2-12	12	---	1.2	1.12	1.01	97	43	52	58	0.57	3	STO
HP2.3-12	12	---	2.3	2.14	1.93	178	35	60	66	0.96	0	STO
HP2.9-12	12	---	2.9	2.7	2.44	79	56	99	105	1.10	1	STO
HP3.2-12	12	---	3.2	2.98	2.69	134	67	60.5	66.5	1.35	3	STO
HP5-12	12	---	5	4.65	4.2	90	70	101	107	1.75	0	STO
HP7-12	12	---	7	6.53	5.8	151	65	93.5	99	2.18	2	STO
HP7.5-12	12	---	7.5	7	6.25	151	65	93.5	99	2.35	2	STO
HP12-12	12	---	12	11.2	10.2	151	98	95	101	3.5	2	STO
HP18-12	12	---	18	16.7	15.1	181.5	77	167.5	167.5	5.40	1	M5
HP20-12	12	---	20	18.6	17	181.5	77	167.5	167.5	5.78	1	M5
HP26-12	12	---	26	24.2	22.1	181.5	175	125	125	7.8	1	M5
HP35-12	12	---	35	32.6	29.8	195	130	164	178	11.2	0	M6
HP45-12	12	---	46.8	45	38.7	197	165	170	170	14.2	1	M6
HP85-12	12	---	83.2	80	69	259	168	208	214	23.8	0	M6
HP110-12	12	---	104	100	88	330	173	212	220	30.6	0	M8
HP140-12	12	---	140.4	165	116	345	172	274	280	41.2	0	M8
HP200-12	12	---	208	200	172	522	240	218	224	59.8	3	M8
HP260-12	12	---	260	250	215	522	268	220	226	72.5	3	M8

Sterling HPX Series Range - AGM High Rate - Small UPS

Features: Excellent high rate discharge efficiency >40% higher than standard AGM batteries • Lead calcium grids
High gas combination

Type	V	15 Min WPC 1.67VPC	Ah (20hr) 1.8VPC	Dimensions (mm)			Total Height	Weight (kgs)	Layout	Terminal
				Length	Width	Height				
HPX5.4-12	12	20.7	5.4	90	70	101	107	1.77	2	ST1
HPX9-12	12	33.5	9	151	65	93.5	99	2.66	2	ST1

Sterling HPA Series Range - AGM High Rate - UPS - Extended Design Life

Features: Extended design life > 10 year • Excellent high rate discharge efficiency >40% higher than standard AGM batteries
Special grids for extended life

Type	V	15 Min WPC 1.67VPC	Ah (20hr) 1.8VPC	Dimensions (mm)			Total Height	Weight (kgs)	Layout	Terminal
				Length	Width	Height				
HPA12-300	12	324.6	82	260	168	208	211	24	0	M6
HPA12-350	12	370.3	95	306	168	207	210	28	0	M6
HPA12-400	12	405.7	100	325	170	213	216	31.4	0	M8
HPA12-540	12	539	155	335	172	275	278	42.4	0	M8

Sterling HPS Series Range - AGM Solar Batteries

Features: Extended design life in solar and slow discharge applications • Special grids for extended life • High gas recombination efficiency

Type	V	AH C100	AH C20	AH C10	AH C5	Dimensions (mm)			Total Height	Weight (kgs)	Layout	Terminal
						Length	Width	Height				
HPS100-12	12	110	100	95.2	83	306	168	208	214	30.6	0	M6

STERLING LITHIUM

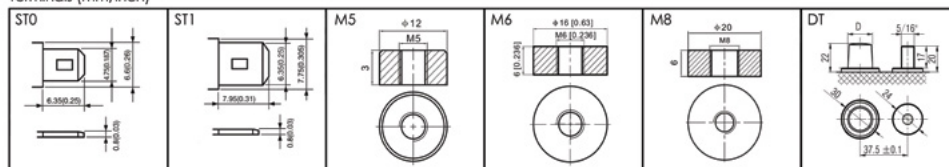
- Sterling Lithium Iron Phosphate batteries (LiFePO4) are developed and manufactured in VRLA footprints to replace lead-acid batteries on the road, on the water, in industrial applications or off-the-grid
- Sterling Lithium batteries offer a tremendous amount of energy in a small, lightweight and maintenance-free box that's robust, safe and reliable
- Our wide variety of standard and high performance batteries ensure we have what you need, when you need it.
- LiFePO4 batteries provide more power with less weight

Sterling HLP Series Range - LiFePO4 Batteries

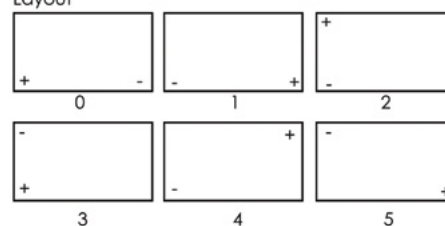
Type	V	Energy WH	AH	Dimensions (mm)			Total Height	Weight (kgs)	Layout	Terminal
				Length	Width	Height				
HLP80-12	12.8	1024	80	260	168	208	211	11.3	0	M6
HLP95-12	12.8	1216	95	353	175	190	190	13.7	0	M6
HLP100-12	12.8	1280	100	306	168	210	213	13.6	0	M8
HLP120-12	12.8	1536	120	330	173	209	212	15.8	0	M8
HLP200-12	12.8	2560	200	522	240	218	224	29.6	3	M8
HLP250-12	12.8	3200	250	522	240	218	224	33	3	M8



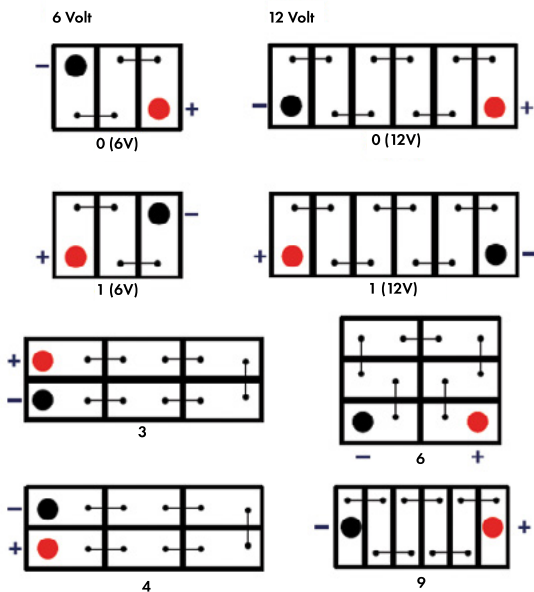
Terminals (mm/inch)



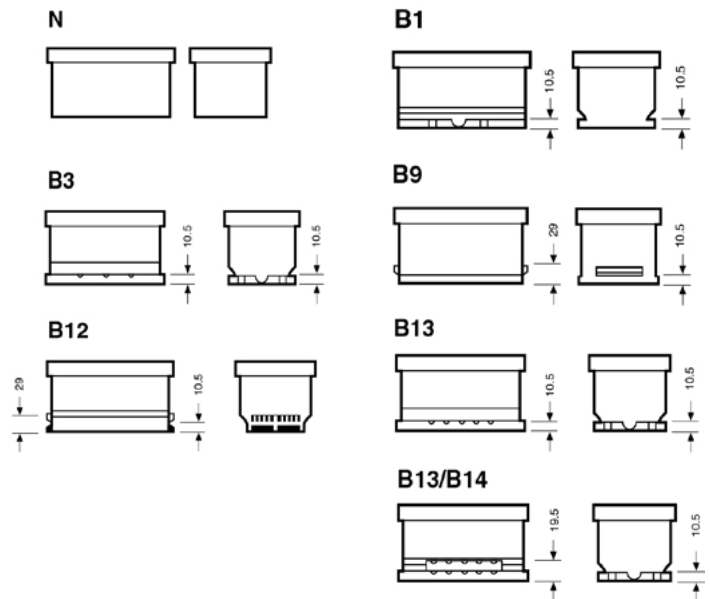
Layout



Cell Assembly Layout

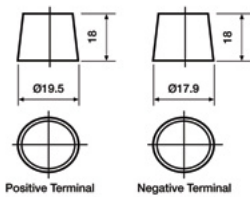


Hold-down & Container Features

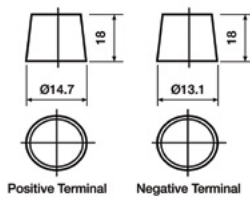


Terminal Configurations

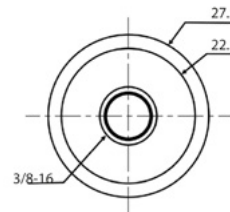
T1
Standard DIN post



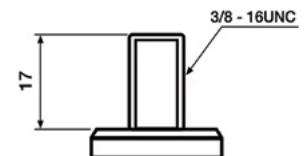
T3
Small Japanese JIS terminal



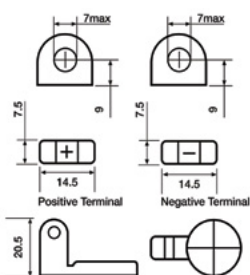
FT
US BCI group type



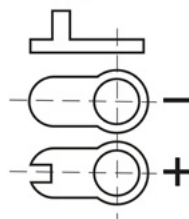
Thread
US BCI stud terminal



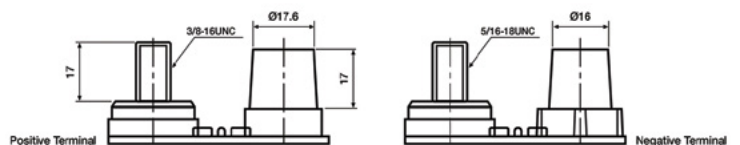
T4



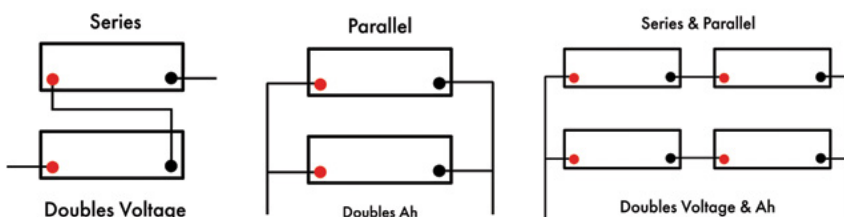
T4F



DT
Dual Terminals



Wiring Diagrams



Lincon Batteries Ltd

Faraday Works, 25/26 Faraday Road, Leigh-on-Sea, Essex. SS9 5JU

Telephone: **01702 525374/528711**

Email: info@lincon.co.uk