



YHI



BATTERY RANGE 2012



CP SERIES



VISION CP Series valve regulated lead acid batteries are designed with AGM (Absorbent Glass Mat) technology for general application purposes.

With 5 years design life, the batteries comply to the most popular international standards, including IEC896-2, BS6290-4 and Eurobat Guide.



APPLICATIONS

- + Alarm Systems
- + Communication Equipment
- + Control Equipment
- + Electronic Test Equipment
- + Emergency Lighting Systems
- + Fire & Security Systems
- + Medical Equipment
- + Telecommunications Systems
- + Uninterruptible Power Supplies
- + Vending Machines

GENERAL FEATURES

- + Stable Quality & High Reliability
- + Sealed Construction
- + Long Service Life in Float or Cyclic
- + Maintenance Free Operation
- + Low Pressure Venting System
- + Heavy Duty Grid
- + Low Self Discharge
- + U.L. Component Recognition (MH25860)

Product Code	Voltage (V)	20H Rate Capacity (Ah)	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Weight (kg)
CP612	6	1.2	97	24	52	58	0.3
CP628	6	2.8	66	33	97	104	0.6
CP632	6	3.2	134	35	61	67	0.7
CP645	6	4.5	70	47	101	107	0.8
CP670	6	7.0	151	34	94	100	1.4
CP6120	6	12.0	151	50	94	100	2.1
CP1212	12	1.2	97	43	52	58	0.6
CP1223	12	2.3	178	35	61	67	1.0
CP1226	12	2.6	178	35	61	67	1.0
CP1229	12	2.9	79	55	98	104	1.2
CP1232	12	3.2	134	67	61	67	1.4
CP1245	12	4.5	90	70	101	107	1.7
CP1250H	12	5.0	90	70	101	107	1.8
CP1270	12	7.0	151	65	95	101	2.7
CP1290	12	9.0	151	65	95	101	2.9
CP12120	12	12.0	151	98	95	101	3.8
CP12170	12	17.0	181	77	167	167	5.7
CP12240	12	24.0	175	166	125	125	9.2
CP12280S	12	28.0	165	125	175	182	9.9

FM SERIES



VISION FM Series are designed for general-purpose applications, including UPS, telecom, and electrical utilities.

With 10 years design life, the batteries comply to the most popular international standards, including IEC896-2, BS6290-4 and Eurobat Guide.

The battery container and cover are available both in V0 class flame retardant ABS or HBO ABS plastics.

With more than 15 years of production experience, the VISION FM Series of VRLA batteries are recognized as the most reliable and high quality batteries in the industry.



APPLICATIONS

- + UPS
- + Telecom Systems
- + Solar Systems
- + Electric Wheelchair
- + Golf Car
- + Emergency Power

GENERAL FEATURES

- + High Reliability and Good Quality
- + Deep Discharge Recovery
- + High Power Density
- + Long Service Life in Float or Cyclic
- + International Standard, JIS and DIN

Product Code	Voltage (V)	10H Rate Capacity (Ah)	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Weight (kg)
3FM225SAM	6	225	260	180	247	267	31
3FM225	6	225	320	180	225	242	31
6FM33	12	33	195	130	155	168	11
6FM40	12	40	197	165	170	170	15
6FM55	12	55	229	138	208	220	19
6FM60	12	60	258	166	206	215	23
6FM65	12	65	350	167	179	179	23
6FM75	12	75	258	166	206	215	24
6FM80	12	80	350	167	179	179	25
6FM100	12	100	330	171	215	222	32
6FM120	12	120	410	176	227	227	38
6FM150	12	150	485	172	240	240	47
6FM200	12	200	522	238	218	223	65
6FM230	12	230	520	269	203	208	73

CT SERIES



- + Front terminal
- + Ideal for communication applications
- + 12 years design life



Product Code	Voltage (V)	10H Rate Capacity (Ah)	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Weight (kg)
CT1250X	12	50	277	106	222	229	17
CT1280X	12	80	564	115	189	189	28
CT12100X	12	100	508	110	223	238	33
CT12105X	12	105	395	110	286	293	35
CT12125X	12	125	436	108	317	317	40
CT12140X	12	140	552	110	288	295	49
CT12150X	12	150	548	105	316	316	49
CT12180X	12	180	546	125	317	323	59



- + Superior energy density and very high power output
- + Can deliver 40% more power than CP/FM series

HP & HF SERIES

Product Code	Voltage (V)	20H Rate Capacity (Ah)	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Weight (kg)
HP1235W	12	6	151	52	94	99	2
HP12116WX	12	20	181	77	167	167	7
HF12135W	12	25	166	175	125	125	9
HF12155W	12	29	165	125	175	175	10
HF12165W	12	34	195	130	155	168	12
HF12320W	12	79	258	166	206	215	24
HF12420W	12	95	306	169	210	215	30
HF12470W	12	105	330	171	215	220	33
HF12560W	12	131	410	176	227	227	38
HF12650W	12	157	485	172	240	240	46
HF12890W	12	216	522	238	218	223	67



- + 15 Years design life
- + Wide operating temperature range
- + Low self discharge

CL SERIES

Product Code	Voltage (V)	10H Rate Capacity (Ah)	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Weight (kg)
CL100	2	100	171	72	206	211	7
CL150	2	150	171	102	206	221	11
CL200	2	200	173	111	330	364	15
CL300	2	300	171	151	330	364	20
CL400	2	400	210	176	330	367	28
CL500	2	500	242	173	330	365	33
CL600	2	600	302	175	330	367	40
CL800	2	800	410	175	330	367	57
CL1000	2	1000	475	175	330	367	67
CL1500	2	1500	400	350	345	382	100
CL2000	2	2000	490	350	345	382	132
CL3000	2	3000	710	350	345	382	210

CROWN 6, 8 AND 12 VOLT HEAVY DUTY DEEP CYCLE BATTERIES



Nobody builds them like Crown. Nobody. Because no one else invests in the heaviest, thickest plates in the industry. Ours are over 10% thicker than our competitors. Combine that with our proprietary PROeye™ and our low-maintenance container – features that make battery maintenance predictable and efficient – and you’ve got a battery that’s going to last longer and perform like no other.



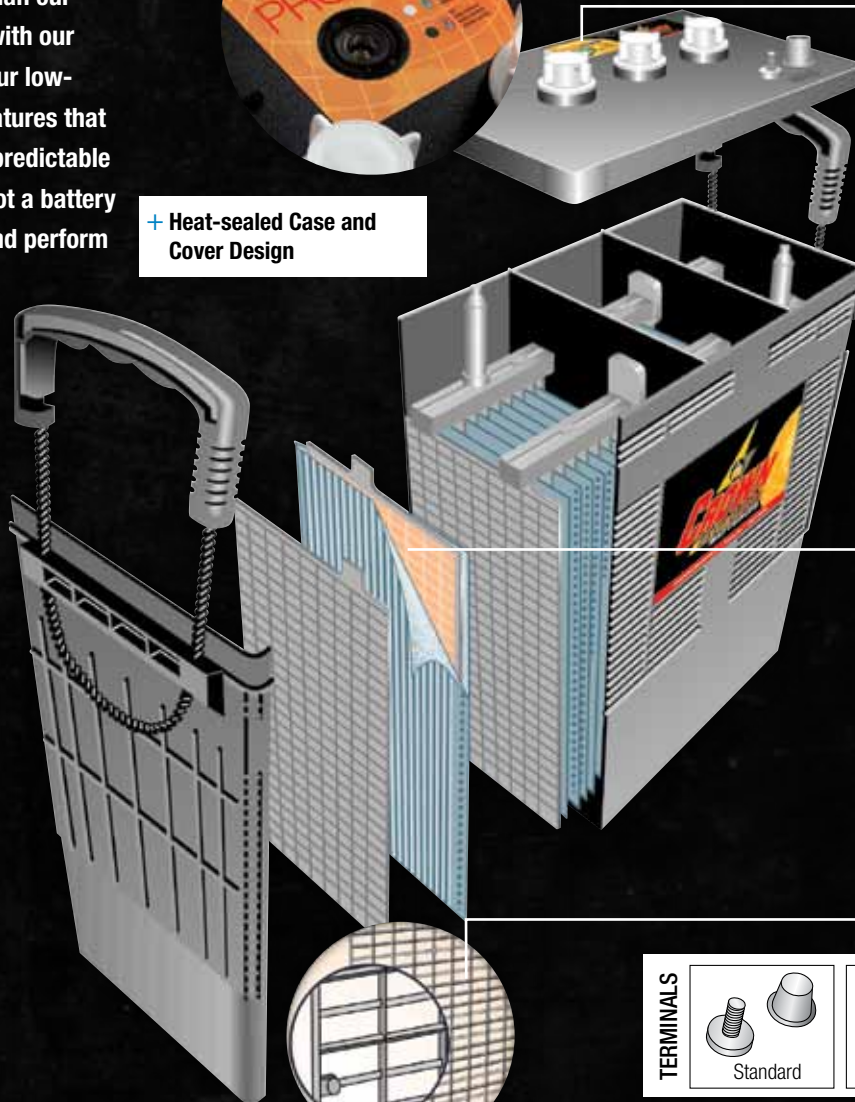
+ PROeye™
No mess, no guess system for inspecting electrolyte levels that signals when watering is required.

+ Heat-sealed Case and Cover Design

+ Rigid Connectors
Heavy-duty TTP, COS and Post connectors deliver maximum electrical efficiency and durability.

+ X-TEND Container Design
X-Tend provides more electrolyte above the battery plates so batteries can perform longer between watering intervals, lowering preventive maintenance costs and improving overall ROI on your Crown Battery purchase.

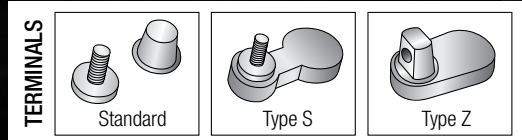
+ Heavy-Duty Construction
Crown deep cycle batteries are the heavyweight of the industry. More weight means more lead, which translates into a battery that will work and last longer.



+ Posi-Wrap™ Envelope Separators
Posi-Wrap Separators reduce maintenance and prevent failure due to short-circuiting and plate shredding, ensuring reliability and durability.

+ Z³ Plate Construction
Crown’s Z3 design combines three integrated features for superior performance and durability.

- Our signature “Diamond Z” grid architecture
- An inset lug position
- Our revolutionary “LifePlus™” active paste material



Product Code	Electrical Capacity Ratings				Physical Specifications				
	Voltage (V)	Ampere Hour Capacity			Length (mm)	Width (mm)	Height (mm)	Weight (Kg)	Terminal Type
		20Hr Rate	5 hr rate	RC minutes @ Amps					
CR225	6	225	171	115@75	260	181	267	29	Standard
CR235	6	235	195	125@75	260	181	267	30	Standard
CR245	6	245	209	145@75	260	181	292	33	Standard
CR275	6	275	228	155@75	298	183	286	35	Standard
CR325	6	325	280	196@75	310	183	368	48	Standard
CR395	6	395	320	225@75	310	183	419	55	Standard
CR165	8	165	146	90@75	262	181	283	29	S
CR24DC85	12	85	70	140@25	283	171	238	20	Standard
CR27DC115	12	115	90	170@25	334	171	238	27	Standard
CR31DC130	12	130	105	200@25	334	175	238	30	Standard
CR155	12	155	114	72@75	346	171	311	39	Standard

6 AND 12 VOLT COMMERCIAL STARTING BATTERIES



- + Framed, centerline calcium constructed plates
- + Premium POSI-WRAP™ envelope separators
- + Maintenance-free flush top with manifold vent design
- + Heat-sealed case and cover design
- + Proven CCA and RC in-the-field performance
- + Extended battery service life



Product Code	Electrical Capacity				Physical Specifications			
	Volts	CCA	CA	RC @25 Amps	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
CR1640	6	640	810	130	231	176	222	14
CR24675	12	675	850	105	260	171	229	19
CR24F675	12	675	850	105	272	171	229	19
CR24800	12	800	1000	120	260	171	229	21
CR65875	12	875	1100	120	306	189	192	22
CR31A775	12	775	970	170	329	171	240	26
CR31ASD775	12	775	970	180	329	171	240	27
CR31ASD1000	12	1000	1250	185	329	171	240	28
CR4D1000	12	1000	1250	300	524	219	254	45
CR8D1100	12	1100	1375	340	524	278	254	53
CR8D1475	12	1475	1845	430	524	278	254	60

BATTERY TESTER RANGE

- + Fast, accurate, affordable and user friendly
- + Patented single load, dynamic resistance technology minimises battery drain during testing.
- + Reading accuracy will not be compromised by conditions such as surface charge, parasitic drain & contact impedance.

Digital Automotive Battery Tester with Printer BT301:

- Back-lit display 2 lines 16 characters LCD
- 6V & 12V
- 1.5V - 30V Voltmeter
- Built in thermal printer
- Tests up to 2000 CCA



Digital Automotive Battery Tester BT001:

- 6V & 12V
- 1.5V - 30V Voltmeter
- 2 lines 16 characters LCD
- Tests up to 2000 CCA



Digital Deep Cycle Battery Tester with Printer EVT1:

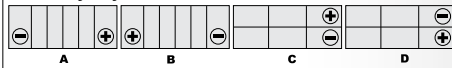
- 6V, 8V & 12V Deep Cycle Batteries
- Back-lit Display, 4 lines, 16 characters LCD
- Built in thermal printer
- Date/Time function
- Detachable test lead
- Test counter
- Preset algorithms



- + Maintenance Free Design
- + High Crank Delivery
- + Calcium / Calcium Expanded Grid Technology



Assembly Key



MAINTENANCE FREE AUTOMOTIVE BATTERIES

Product Code	Cross Reference	Electrical Capacity			Physical Specifications				Assembly
		CCA	C20 (AH)	RC	Length (mm)	Width (mm)	Height (mm)	Weight (kg)	
NPNS40	38B19RS	332	36	55	197	128	224	9.3	B
NPNS40L	38B19LS	332	36	55	197	128	224	9.3	A
NPNS40S	38B19R	332	36	55	197	128	224	9.3	B
NPNS40LS	38B19L	332	36	55	197	128	224	9.3	A
NPNS60	46B24RS	450	45	71	237	128	222	12.8	B
NPNS60L	46B24LS	450	45	71	237	128	222	12.8	A
NPNS60S	46B24R	450	45	71	237	128	222	12.8	B
NPNS60LS	46B24L	450	45	71	237	128	222	12.8	A
NPN50	85R610	550	55	90	229	172	203	15.1	B
NPN50L	85L610	550	55	90	229	172	203	15.1	A
NP55D23R	75D23R	580	65	110	227	174	222	16.8	B
NP55D23L	75D23L	580	65	110	227	174	222	16.8	A

MAINTENANCE FREE EUROPEAN AUTOMOTIVE BATTERIES

Product Code	Cross Reference	Electrical Capacity			Physical Specifications				Assembly
		CCA	C20 (AH)	RC	Length (mm)	Width (mm)	Height (mm)	Weight (kg)	
NPDIN55	55530	530	55	90	241	175	190	14.9	A
NPDIN55R	55548	530	55	90	241	175	190	14.9	B
NPDIN66	56638	620	63	106	278	175	190	15.7	A
NPDIN66R	56639	620	63	106	278	175	190	15.7	B
NPDIN77	58043	640	75	108	315	175	190	19.7	A
NPDIN88	58515	780	85	152	352	175	175	19.5	A
NPDIN100	60044	820	100	182	352	175	190	21.3	A

MAINTENANCE FREE MARINE BATTERIES

Product Code	Cross Reference	Electrical Capacity			Physical Specifications				Assembly
		CCA	C20 (AH)	RC	Length (mm)	Width (mm)	Height (mm)	Weight (kg)	
NPN24	M24	650	70	120	256	170	246	16.9	B
NPN27	M27	660	85	150	305	171	246	21.5	B

MAINTENANCE FREE COMMERCIAL BATTERIES

Product Code	Cross Reference	Electrical Capacity			Physical Specifications				Assembly
		CCA	C20 (AH)	RC	Length (mm)	Width (mm)	Height (mm)	Weight (kg)	
NPNS70	80D26R	630	70	120	262	170	225	16.9	B
NPNS70L	80D26L	630	70	120	262	170	225	16.9	A
NPN70	95D31R	750	85	150	305	171	225	21.5	B
NPN70L	95D31L	750	85	150	305	171	225	21.5	A
NP86AX	G31	800	90	160	332	174	236	22.2	B
NPN100	N100R	750	100	182	409	170	234	25.9	B
NPN120	N120R	900	135	270	505	183	235	30.6	C
NPN150	N150R	1000	150	326	510	212	233	39.0	C

Friendly energy: the kind that never leaves you stranded, that resists severe weather conditions, and lasts through time. FIAMM is the leader in the supply of starter batteries for Original Equipment of the most important automobile manufacturers and for Aftermarket for distributors, spare parts dealers and fitters.



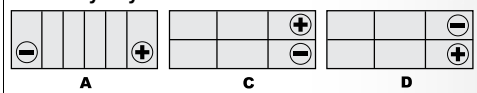
FEATURES

- + Range dedicated to Asian and European vehicles
- + Secure starter

FEATURES - HEAVY DUTY

- + Higher cycling capacity
- + Vibration resistant
- + Low discharge rate
- + Low water consumption

Assembly Key



EUROPEAN AUTOMOTIVE BATTERIES

Product Code	Cross Reference	Electrical Capacity			Physical Specifications				
		CCA	C20 (AH)	RC	Length (mm)	Width (mm)	Total Height (mm)	Weight (kg)	Assembly
FIAMDIN44	L1	390	44	64	207	175	190	11.4	A
FIAMDIN55	L2	480	55	80	242	175	190	13.7	A
FIAMDIN63	L3B	680	71	103	278	175	175	17.3	A
FIAMDIN66	L3	600	70	110	278	175	190	16.4	A
FIAMDIN77	L4	660	82	118	315	175	190	20.2	A
FIAMDIN88	L5	720	88	150	353	175	190	20.7	A

COMMERCIAL BATTERIES

Product Code	Cross Reference	Electrical Capacity			Physical Specifications				
		CCA	C20 (AH)	RC	Length (mm)	Width (mm)	Total Height (mm)	Weight (kg)	Assembly
FIAMN120	N120R	950	132	250	508	175	205	35.8	C
FIAMN150	N150R	1050	160	300	510	218	228	46.2	C
FIAMN200	N200R	1150	200	400	518	273	242	59.8	C
FIAMDIN135	A 135 SHD	850	135	250	513	189	223	37.3	D
FIAMDIN165	B 180 SHD	1000	180	350	513	223	223	46.1	D
FIAMDIN165HDL	MC15 185	1200	185	360	510	218	228	49.1	C

Distributed by



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