



BATTERY RANGE 2013



CP SERIES



VISION CP SERIES valve regulated lead acid batteries are designed with AGM (Absorbant 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.

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)

APPLICATIONS

- Alarm Systems
- Communications Equipment
- Control Equipment
- Electronic test equipment
- Emergency Lighting systems
- Fire and Security Systems
- Medical Equipment
- Telecommunications Systems
- Uninterruptable Power Supplies
- Vending Machines

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.

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

APPLICATIONS

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

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

GELSERIES



Gel batteries feature some distinct advantages over flooded or AGM batteries such as better thermal stability, high deep discharge capability, excellent recovery from deep discharge.

With the above mentioned advantages, the gel battery has long service life and is especially suited for motive power applications such as forklifts, golf carts and solar power applications

GENERAL FEATURES

- Maintenance- free operation
- Long service life, float or cyclic applications
- Low self discharge
- No gas emissions
- Excellent recovery

Product Code	Voltage (V)	10H Rate Capacity (Ah)	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Weight (kg)
CG12-80X	12	80	330	171	215	220	29.5
CG12-120X	12	120	482	170	240	240	44.5
CG12-160X	12	160	522	238	218	223	58.6
CG12-200X	12	200	520	269	203	208	70.0

APPLICATIONS

- Forklifts
- Golf Carts
- Solar Power
- Mobility Scooters
- Wind Power
- Marine
- Power Utilities



CTSERIES

- 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

HP&HF SERIES

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

CLSERIES

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



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



RENEWABLE CELLS

Solar. Wind. Energy Storage. Guaranteed. This is where your solar and wind power investment pays off: in renewable energy storage systems that feature the reliability and longevity delivered by Crown Batteries. Unlike some manufacturers who simply repackage existing battery products into a new array and call it an RE line, Crown Battery evaluated marketplace needs and developed an innovative array of storage battery products that provide best-available power storage solutions for solar and wind power systems.

Crown Batteries are the Heavy Weight – and that’s important. Because “heavy” means energy dense plates that use more active lead materials. Heavier plates that use more active lead materials are directly related to stronger battery performance and longevity. So, other things being equal, batteries with more active lead material will last the longest. And Crown leads the industry in terms of lead content per ampere-hour of rated capacity. Period.

No other renewable energy battery in the world can compete with the assured performance of Crown.



Sustainability

- The most complete, dedicated array of RE batteries as compared with other manufacturers.
- Recognition of Crown Renewable Power Batteries as “Best Available” and “Most Reliable” by serious system owners.

Part Number	Product Code	Voltage (V)	100H Rate Capacity (Ah)	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Weight (kg)	Product Footnotes
CRP21000	2CRP1400	2	1400	192	167	546	654	62	CD
CRP21400	2CRP2030	2	2030	268	167	546	654	88	CD
CRP21700	2CRP2500	2	2500	325	167	546	654	106	BD

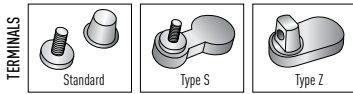
Available Terminals



Product Footnotes

A	Standard Terminals
B	Stainless Steel Threaded Stud Terminals
C	Inserted Brass Terminals
D	Battery Fitted with Handle or Lifting Lug





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.

GENERAL FEATURES

- Heat sealed Case and Cover Design
- **PROeye™**
No mess, no guess system for inspecting electrolyte levels that signals when watering is required
- **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
- **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.
- **X-TEND Container Design**
X-Tend provides more electrolyte above the battery plates so batteries can perform longer between watering intervals, lowering preventative maintenance costs and improving overall ROI on your Crown Battery purchase.
- **Rigid Connectors**
Heavy-duty TTP, COS and Post connectors deliver maximum electrical efficiency and durability.

Product Code	Electrical Capacity Ratings			Physical Specifications			Terminal Type
	Voltage (V)	Ampere Hour Capacity		Length (mm)	Width (mm)	Height (mm)	
20Hr Rate		5 hr rate					
CR205	6	205	170	260	179	278	Standard
CR220	6	220	180	260	179	278	Std/Type S
CR225	6	225	171	260	181	267	Standard
CR235	6	235	195	260	181	267	Standard
CR245	6	245	209	260	181	292	Standard
CR275	6	275	228	298	183	286	Standard
CR325	6	325	280	310	183	368	Standard
CR395	6	395	320	310	183	419	Standard
CR43	6	430	340	314	183	410	Standard
CR165	8	165	146	262	181	283	S
CR24DC85	12	85	70	283	171	238	Standard
CR24DC95	12	95	75	273	171	235	Standard
CR27DC115	12	115	90	334	171	238	Standard
CR31DC130	12	130	105	334	175	238	Standard

HANDY CHARGER RANGE

HANDY 40



- 12 V Automatic charger for all types of lead-acid batteries (1-85Ah), car, bike (MC), marine and leisure
- Optimal charging curve.
- Selects the correct charge depending on battery capacity.
- Self-adjusting temperature compensator.
- Built-in flashlight, helpful when finding the battery in the dark.
- Anti-spark protection if wrongly connected or faulty battery.
- Specially designed clamps for easy and quick connection to the battery.
- Extra cable included for permanent installation.

HANDY 70



- 12V Automatic charger for all types of lead-acid batteries (1-150Ah), car, bike (MC), marine and leisure, farming and forestry equipment.
- Advanced 5 step charging-profile.
- Adapts charging curve according to battery technology, GEL/ AGM/ STANDARD WET.
- Selects the correct charge depending on battery capacity.
- Self-adjusting temperature compensator.
- Power supply for maintenance charge (storage) and/ or loss of tension (13.7V/7A).
- Built-in flash light, helpful when finding the battery in the dark.
- Anti-spark protection if wrongly connected or faulty battery.
- Specially designed clamps for easy and quick connection to the battery.
- Extra cable included for permanent installation.

HANDY 150



- 12V Automatic charger for all types of lead-acid batteries (20-300Ah), car, bike (MC), marine, leisure and all commercial vehicles.
- Advanced 5 step charging-profile.
- Adapts charging curve according to battery technology, GEL/ AGM/ STANDARD WET.
- Selects the correct charge depending on battery capacity.
- Self-adjusting temperature compensator
- Power supply maintenance charge (storage) and/or loss of tension (13.7V/15A).
- Built-in flashlight, helpful when finding the battery in the dark
- Anti-spark protection if wrongly connected or faulty battery.
- Specially designed clamps for easy and quick connection to the battery.
- Extra cable included for permanent installation.

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.

BT001:

Digital Automotive Battery Tester

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



BT301:

Digital Automotive Battery Tester with Printer

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



EVT1:

Digital Deep Cycle Battery Tester with Printer

- 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



NEUTON POWER SPIRAL BATTERIES



Neutron Power Spiral batteries are engineered for automotive applications where fast recovery and repeated use is required. These batteries are also desirable as electrical energy storage for Wind Power and Solar Power applications.

GENERAL FEATURES

- Maintenance Free VRLA Battery
- High-Tech, Spiral Wound Thin Plate PureLead Technology (TPPL)
- Improved Discharge performance
- Low Internal Resistance, Faster recharging
- Good performance under Partial State Of Charge (PSOC)
- High Reliability and Good Quality

APPLICATIONS

- Automotive
- Marine
- Renewable Energy (Wind & Solar)
- Emergency Power (Inverter/UPS)

Product Code	Cross Reference	Electrical Capacity		Physical Specifications			
		CCA	C20 (AH)	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
NPS&FMJ50	6-FMJ-50	750	50	256	176	198	17.5
NPS&FMJ65	6-FMJ-65	800	65	260	179.5	200	19.6
NPS&FMJ75	6-FMJ-75	900	75	265	185	239.5	24.5



- 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)	Length (mm)	Width (mm)	Height (mm)	Weight (kg)	
NPNS40	38B19RS	332	36	197	128	224	9.3	B
NPNS40L	38B19LS	332	36	197	128	224	9.3	A
NPNS40S	38B19R	332	36	197	128	224	9.3	B
NPNS40LS	38B19L	332	36	197	128	224	9.3	A
NPNS60	46B24RS	450	45	237	128	222	12.8	B
NPNS60L	46B24LS	450	45	237	128	222	12.8	A
NPNS60S	46B24R	450	45	237	128	222	12.8	B
NPNS60LS	46B24L	450	45	237	128	222	12.8	A
NPNS50	85R610	550	55	229	172	203	15.1	B
NPNS50L	85L610	550	55	229	172	203	15.1	A
NP55D23R	75D23R	580	65	227	174	222	16.8	B
NP55D23L	75D23L	580	65	227	174	222	16.8	A

MAINTENANCE FREE EUROPEAN AUTOMOTIVE BATTERIES

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

MAINTENANCE FREE MARINE BATTERIES

Product Code	Cross Reference	Electrical Capacity		Physical Specifications				Assembly
		CCA	C20 (AH)	Length (mm)	Width (mm)	Height (mm)	Weight (kg)	
NPN24	M24	550	70	256	170	246	16.9	B
NPN27	M27	550	85	305	171	246	21.5	B

MAINTENANCE FREE COMMERCIAL BATTERIES

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





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