

AM SERIES MEDIUM SIZE BATTERY



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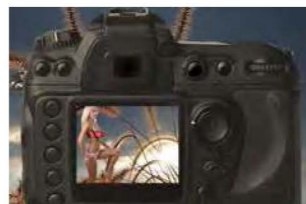
Designed floating service life: 12 years @ 20 °C/68 °F

Voltage covers: 6V, 8V, 12V

Capacity: 33Ah to 260Ah

Main Applications

- Communication Equipment
- Fire & Security Systems
- Uninterruptible Power Supply
- Electronic Test Equipment
- Processor Based Office Machines
- Geophysical Equipment
- Medical Equipment
- Portable Cine & Video Lights
- Power Tool
- Solar Power Systems
- Television & Video Recorder
- Vending Machines
- Other Standby or Primary power supply



General Features

- Higher Power Density  
A special assembly technology is used to enhance power density to a considerable level.
- Reliable Construction  
The extra strong construction ABS container reduces case bulging and plate warping, ensuring long life and high performance.
- Valve Regulating  
Perfect venting system, which operates under low pressure, is designed to release excess gas and keep the internal pressure within the optimum range of safe and efficient performance.
- Excellent Recovery from Deep Cycle  
Unique technical processes are used into the grid alloy and electrolyte additive, in this case the battery can be recharged easily to normal level after being over-discharged.

Model	Voltage (V)	Capacity C20 (AH)	Dimensions				Approx. Weight (kg)	Terminal Type
			Length (mm)	Width (mm)	Height (mm)	Total height (mm)		
AM6V100Ah	6	100	194	170	205	210	16.5	T11
AM6V200Ah	6	200	321	176	226	246	29.0	T11
AM6V225Ah	6	225	321	176	226	246	31.0	T11
AM12V33Ah	12	33	196	131	155	180	10.2	T5
AM12V36Ah	12	36	196	131	155	180	10.6	T5
AM12V38Ah	12	38	196	165	175	182	11.4	T5
AM12V40Ah	12	40	196	165	175	175	12.0	T5
AM12V55Ah	12	55	229	138	208	227	16.5	T5
AM12V65Ah	12	65	350	166	175	175	20.5	T11/T14
AM12V70Ah	12	70	350	166	175	175	21.0	T11/T14
AM12V75Ah	12	75	260	169	208	227	21.5	T11/T14
AM12V80Ah	12	80	260	169	208	227	22.0	T11/T14
AM12V90Ah	12	90	307	168	208	227	25.0	T11/T14
AM12V100Ah	12	100	328	172	222	222	29.5	T11/T14
AM12V100Ah	12	100	328	172	222	222	32.5	T11/T14
AM12V120Ah	12	120	406	174	208	233	33.0	T11/T14
AM12V150Ah	12	150	483	170	241	241	43.0	T11/T14
AM12V180Ah	12	180	532	207	215	240	52.0	T11/T14
AM12V200Ah	12	200	522	240	219	244	59.0	T11/T14
AM12V210Ah	12	210	522	240	219	228	61.0	T11/T14
AM12V260Ah	12	260	522	268	219	228	69.0	T11/T14



AGM BATTERY

FRONT TERMINAL  
VRLA BATTERY



FRONT TERMINAL VRLA BATTERY

Designed floating service life: 12 years @ 20 °C/68 °F

Voltage covers: 12V

Capacity: from 50Ah to 200Ah

### Main Applications

- Communication Equipment
- Fire & Security Systems
- Uninterruptible Power Supply
- Telecommunication Systems
- Control Equipment
- Geophysical Equipment
- Medical Equipment
- Emergency Power Systems



### General Features

- **Long Life Time**  
Especially designed for telecommunication use with 10+ years design life in float service. By combining the newly developed paste formula with up-to-date AGM structures, this range features 12 years design life.
- **Front Access Connection**  
Front access connection for fast, easy installation and maintenance with standard width for 19' and 23' ETSI racks.
- **Valve Regulating**  
Perfect venting system, is designed to release excess gas and keep the internal pressure within the optimum range of efficient performance.
- **Excellent Recovery from Deep Cycle**  
Unique technical processes are used into the grid alloy and electrolyte additive, in this case the battery can be recharged after being over-discharged.

Model	Voltage (V)	Capacity C20 (AH)	Dimensions				Approx. Weight kg	Terminal Type
			Length mm	Width mm	Height mm	Total height mm		
FT12V55Ah-F	12	55	277	106	222.5	222.5	17.0	T6
FT12V75Ah-F	12	75	562	114	188	188	18.0	T6
FT12V80Ah-F	12	80	562	114	188	188	26.0	T6
FT12V100Ah-F	12	100	394	110	286	286	32.0	T11
FT12V100Ah-SF	12	100	507	110	223	238	32.0	T11
FT12V105Ah-F	12	105	507	109	223	238	35.0	T11
FT12V125Ah-F	12	125	436	108	317	317	37.0	T11
FT12V140Ah-F	12	140	552	110	288	295	44.0	T11
FT12V150Ah-F	12	150	551	110	287	287	45.0	T11
FT12V160Ah-F	12	160	551	110	316	316	49.0	T11
FT12V180Ah-F	12	180	560	125	316	316	53.0	T11



AGM BATTERY

SL SERIES  
2V VRLA BATTERY



AM SERIES MEDIUM SIZE BATTERY

Designed floating service life: 20 years @ 20 °C/68 °F

Voltage covers: 2V

Capacity: from 100Ah to 3000Ah

### Main Applications

- Aerial Work Platform (AWP)/Access
- Hybrid Telecom Remote Base Stations
- Grid Frequency Leveling Systems
- All Back-up Applications
- Remote Monitoring & Instrumentation
- Renewable Energy (Solar, Small Wind and Small Hydro)



### General Features

- **Long Service**  
SL 2V long service series delivers trouble free ultra-long life, with a designed life of 20 years. Specially designed Calcium lead alloys for positive and negative grid, provides better current conductivity to the terminals with lower internal resistance. Presence of optimum levels of Tin, calcium, and aluminum along with special grain refiners ensure a long performance.
- **Telecom Battery Systems**  
Especially designed for Standby applications in telecom battery banks as heavy duty, high performance, sealed maintenance free, lead acid valve regulated batteries - ease of telecom tower maintenance.
- **Fast Connection**  
The 2v telecom battery set is supplied with optimally designed for current carrying capacities, lead tin plated, copper inter cell connectors, end cell connectors and terminal take offs with floor mounting brackets.

Model	Voltage (V)	Capacity C20 (AH)	Dimensions				Approx. Weight (kg)	Terminal Type
			Length (mm)	Width (mm)	Height (mm)	Total height (mm)		
SL2V100Ah	2	100	171	72	206	209	6.1	T11
SL2V200Ah	2	200	173	111	330	364	13.5	T11
SL2V300Ah	2	300	171	151	330	364	19.0	T11
SL2V400Ah	2	400	210	176	330	367	25.5	T11
SL2V500Ah	2	500	241	171	330	365	31.0	T11
SL2V600Ah	2	600	302	175	330	367	37.0	T11
SL2V700Ah	2	700	410	175	330	365	46.0	T11
SL2V800Ah	2	800	410	175	330	365	50.0	T11
SL2V1000Ah	2	1000	475	175	330	367	61.0	T11
SL2V1500Ah	2	1500	400	350	345	382	95.0	T11
SL2V2000Ah	2	2000	490	350	345	382	119.0	T11
SL2V3000Ah	2	3000	710	350	345	382	190.0	T11



GEL BATTERY

2V OPzV TUBULAR  
VRLA SERIES



2V OPzV TUBULAR VRLA SERIES

Designed floating service life: 20 years @ 20 °C/68 °F

Voltage covers: 2V

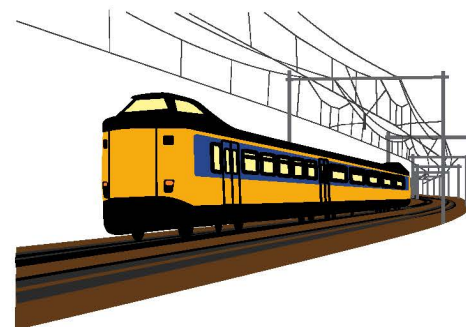
Capacity: from 200Ah to 3000Ah

### General Features

- Wide operating temperature range from -15°C to 60°C
- Tubular positive plate with prolonged cycle life
- Fumed Silica gel electrolyte
- Lead Calcium die cast grid with improved corrosion resistance capability
- Low self-discharge rate and long shelf life (1 year at 25°C)
- Excellent deep discharge recovery capability

### Main Applications

- Telecom
- Electric Utilities
- Control Equipment
- Security Systems
- Medical Equipment
- UPS systems
- Railroad Utilities
- Photovoltaic Systems
- Renewable Energy System



### CONSTRUCTION

- Positive plate - tubular plate with die cast Pb-Sb alloy grid
- Negative plate – balanced Pb-Ca grid for improved recombination efficiency
- Separator – leaf shape polymer separator
- Electrolyte – dilute high purity sulphuric acid with fumed Silica gel
- Battery container and cover – ABS
- Pillar seal – 100% factory tested, proven two layers epoxy resin seal
- Relief valve – complete with integrated flame arrestor

Model	Voltage (V)	Capacity C20 (AH)	Dimensions				Approx. Weight kg	Terminal Type
			Length mm	Width mm	Height mm	Total height mm		
OPzV2-150Ah	2	150	103	206	354	390	14.7	T11
OPzV2-200Ah	2	200	103	206	354	390	16.3	T11
OPzV2-250Ah	2	250	124	206	354	390	20.3	T11
OPzV2-300Ah	2	300	145	206	354	390	24.0	T11
OPzV2-350Ah	2	350	124	206	471	506	28.5	T11
OPzV2-420Ah	2	420	145	206	471	506	32.0	T11
OPzV2-500Ah	2	500	166	206	471	506	35.5	T11
OPzV2-600Ah	2	600	145	206	646	681	43.5	T11
OPzV2-800Ah	2	800	191	210	646	681	58.5	T11
OPzV2-1000Ah	2	1000	233	210	646	681	72.0	T11
OPzV2-1200Ah	2	1200	275	210	646	681	84.0	T11
OPzV2-1500Ah	2	1500	275	210	796	831	105.0	T11
OPzV2-2000Ah	2	2000	399	212	772	807	156.0	T11
OPzV2-2500Ah	2	2500	487	212	772	807	185.0	T11
OPzV2-3000Ah	2	3000	576	212	772	807	220.0	T11

