

PROFESSIONAL POWER SOLUTION PROVIDER

www.futuregreenbattery.com



Future Green Technology Co., Ltd.

Specializes in designing, producing and marketing batteries for UPS, Industry ,Automobiles ,Storage and Solar etc.

Office Address:
No.26 Longjing west road, Baiyun District, Guangzhou city, Guangdong Province, China.

Factory Address:
Yuechang, Xinxu town, Huizhou City, Guangdong Province, China.

Tel:
+86-20-31230665

Website:
www.futuregreenbattery.com

Email:
info@futuregreenbattery.com

COMPANY INTRODUCTION

We are a company with two factories called Future Green Technology based in Guangzhou China. FGET provides solar power system and kinds of batteries globally.

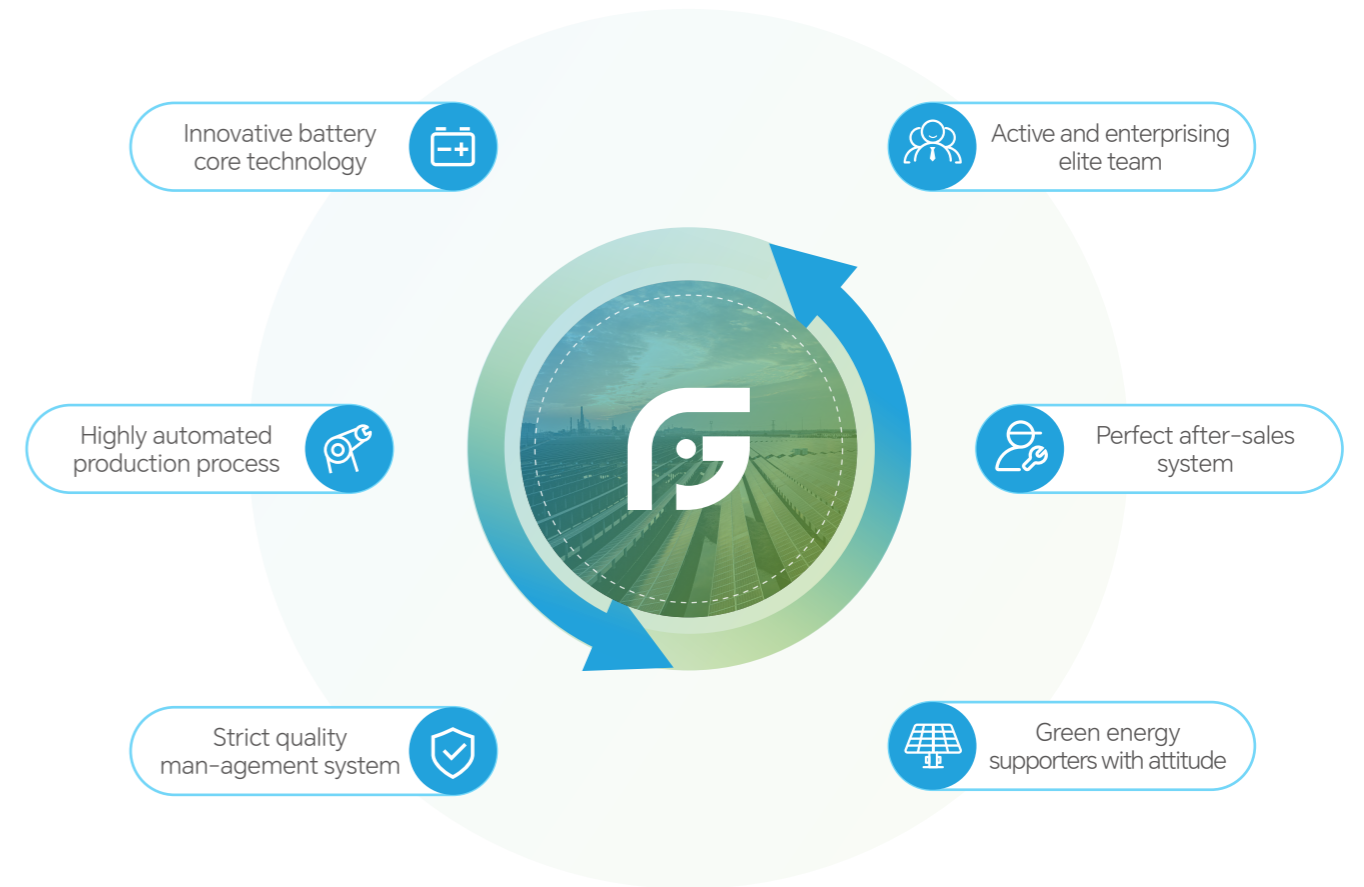
Future Green Technology is your personal home clean energy solution provider. This company is a future oriented emerging company, is committed to provide clean energy for global world.

We manufacture and supply all kinds of SLA batteries (AGM, GEL, AGM-GEL, Pb-C), rechargeable batteries and flooded batteries used for motive (Electrical bicycle/Tricycle, EV, HEV, forklift, electrical tools/toys, etc.), renewable energy storage (solar, wind etc.), reserve (telecom, UPS, emergency lighting, security system etc.) and motorcycle. We can also supply electrical bicycles, tricycles, related accessories as well as technical support for new factory establishment.



CHOOSE GREEN FUTURE

Let green new energy create a new life for human beings and improve the quality of human life.



Future Green

• **Terminals**

Depending on the model, batteries come either with AMP Faston type terminals made of tin plated brass, post type terminals of the same composition with threaded nut and bolt hardware, or heavy duty flag terminals made of lead alloy. A special epoxy is used as sealing material surrounding the terminals.

• **Plates (electrodes)**

FGET utilizes the latest technology and equipment to cast grids from a lead-calcium alloy free of antimony. The small amount of calcium and tin in the grid alloy imparts strength to the plate and guarantees durability even in extensive cycle service. Lead dioxide paste is added to the grid to form the electrically active material.

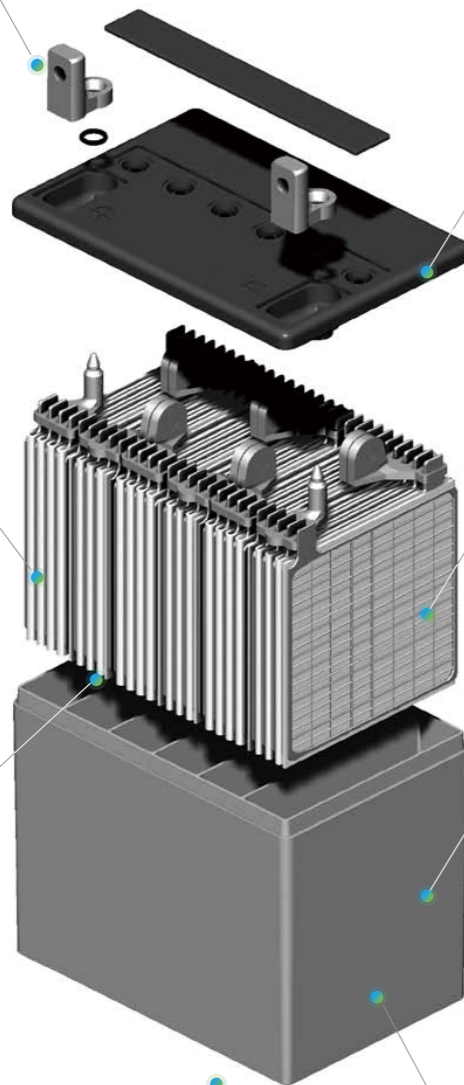
In the charged state, the negative plate paste is pure lead and that of the positive lead dioxide. Both of these are in a porous or spongy form to optimize surface area and thereby maximize capacity. The heavy duty lead calcium alloy grids provide an extra margin of performance and life in both cyclic and float applications and give unparalleled recovery from deep discharge.

• **Electrolyte**

Immobilized dilute sulfuric acid: H₂SO₄.

• **Leak proof Design & Operational Safety**

The leak proof construction of FGET batteries has ensured that our batteries have been approved for shipment by air, both by D.O.T. and I.A.T.A. Copies of these approvals are available on our website: www.fget4u.com.



• **Relief valve**

In case of excessive gas pressure build-up inside the battery, the relief valve will open and relieve the pressure. The one-way valve not only ensures that no air gets into the battery where the oxygen would react with the plates causing internal discharge, but also represents an important safety device in the event of excessive overcharge. Vent release pressure is between 2-6 psi; the sealing material is neoprene rubber.

• **Separators**

FGET separators are made of non-woven glass fiber cloth with high heat and oxidation resistance. The material further offers superior electrolyte absorption and retaining ability, as well as excellent ion conductivity.

• **Case Sealing**

Depending on the model the case sealing is ultrasonic, epoxy or heat seal.

• **Container**

Case and lid material is ABS, high impact, resin with high resistance to chemicals and flammability. Case and cover are made of non-conductive ABS plastic to UL94-HB or UL94 V-O. This case has molded-in dividers for each 2 volt cell.



factory



Whole industrial chain



Strict quality control



Continuous innovation technology



Automated production process



Perfect quality management system



AGEL BATTERY



OPzV BATTERY



FRONT TERMINAL BATTERY



AGM BATTERY

OUR BATTERY PRODUCTS

AS SERIES AGM BATTERIES:	4V3.5AH-12V28AH
AM SERIES AGM BATTERIES:	6V100AH-12V260AH
FRONT TERMINAL AGM BATTERIES:	12V55AH-12V180AH
SL SERIES 2V AGM BATTERIES:	2V200AH-2V3000AH
OPzV SERIES GEL BATTERIES:	2V200AH-2V3000AH
DEEP CYCLE GEL BATTERIES:	12V24AH-12V260AH

AGM BATTERY

AS SERIES SMALL SIZE BATTERY

Designed floating service life: 8 years @20 °C/68 °F

Voltage covers: 4V, 6V, 12V

Capacity: from 1.3Ah to 28Ah



Main Applications

- Alarm Systems
- Cable Television
- Medical Equipment
- Micro Processor Based Office Machines
- Control Equipment
- Portable Cine & Video Light
- Computers
- Power Tools/Toys
- Electronic Test Equipment
- Telecommunications Systems
- Television & Video Recorders
- Emergency Lighting Systems
- Fire & Security Systems
- Uninterruptible Power Supply
- Geophysical Equipment



General Features

01 Sealed/Maintenance-Free

There is no need to add electrolyte, as gases generated during the charge phase are recombined in a unique “oxygen cycle”.

FGET sealed lead acid batteries can be operated in virtually any orientation without the loss of capacity or electrolyte leakage. However, upside down operation is not recommended.

02 Long Shelf Life

A low self-discharge rate, up to approximately 3% per month, may allow storage of fully charged batteries for up to a year, depending on storage temperatures, before charging becomes critical. However, we strongly recommend that all batteries should be recharged within six months of receipt as it will enhance their long term life..

03 High purity raw material

Ensure low self-discharge rate. Silver-coated copper terminal (F1, F2 terminal), brass insert terminals and lead terminals improve the electric conductivity.

Model	Voltage (V)	Capacity C20 (AH)	Dimensions				Approx. Weight kg	Terminal Type
			Length mm	Width mm	Height mm	Total height mm		
AS4V3.5Ah	4	3.5	90	34	61	67	0.5	T1
AS4V4.2Ah	4	4.2	47	47	101	107	0.5	T1
AS4V5Ah	4	5	47	47	101	107	0.5	T1
AS4V6Ah	4	6	47	47	101	107	0.6	T1/T2
AS4V10Ah	4	10	102	44	95	101	1.0	T1
AS6V1.3Ah	6	1.3	97	24	51	57	0.3	T1
AS6V4.5Ah	6	4.5	70	47	101	107	0.7	T1
AS6V4.8Ah	6	4.8	70	47	101	107	0.7	T1
AS6V5Ah	6	5	70	47	101	107	0.8	T1
AS6V5.5Ah	6	5.5	70	47	101	107	0.9	T1
AS6V7Ah	6	7	151	34	94	100	1.0	T1/T2
AS6V10Ah	6	10	151	50	94	100	1.5	T11
AS12V1.3Ah	12	1.3	97	43	51	57	0.6	T1
AS12V2.6Ah	12	2.6	70	47	99	105	0.8	T1
AS12V2.8Ah	12	2.8	66	66	97	101	1.2	T1
AS12V3.2Ah	12	3.2	134	67	61	67	1.2	T1
AS12V3.4Ah	12	3.4	134	67	61	67	1.3	T1
AS12V3.2Ah	12	3.2	90	70	101	107	1.2	T1
AS12V4Ah	12	4	90	70	101	107	1.4	T1/T2
AS12V4.2Ah	12	4.2	90	70	101	107	1.4	T1/T2
AS12V4.5Ah	12	4.5	90	70	101	107	1.5	T1/T2
AS12V5Ah	12	5	90	70	101	107	1.5	T1/T2
AS12V5Ah	12	5	151	65	94	100	1.8	T1/T2
AS12V6Ah	12	6	151	65	94	100	1.9	T1/T2
AS12V7Ah	12	7	151	65	94	100	2.1	T1/T2
AS12V7.2Ah	12	7.2	151	65	94	100	2.2	T1/T2
AS12V7.5Ah	12	7.5	151	65	94	100	2.2	T1/T2
AS12V8Ah	12	8	151	65	94	100	2.3	T1/T2
AS12V9Ah	12	9	151	65	94	100	2.6	T1/T2
AS12V10Ah	12	10	151	98	95	101	3.0	T1/T2
AS12V12Ah	12	12	151	98	95	101	3.7	T3
AS12V17Ah	12	17	181	77	167	167	4.9	T3
AS12V18Ah	12	18	181	77	167	167	5.2	T3
AS12V20Ah	12	20	181	77	167	167	6.0	T3
AS12V24Ah	12	24	177	165	126	126	8.7	T5
AS12V26Ah	12	26	177	165	126	126	7.9	T5
AS12V28Ah	12	28	177	165	126	126	8.3	T5

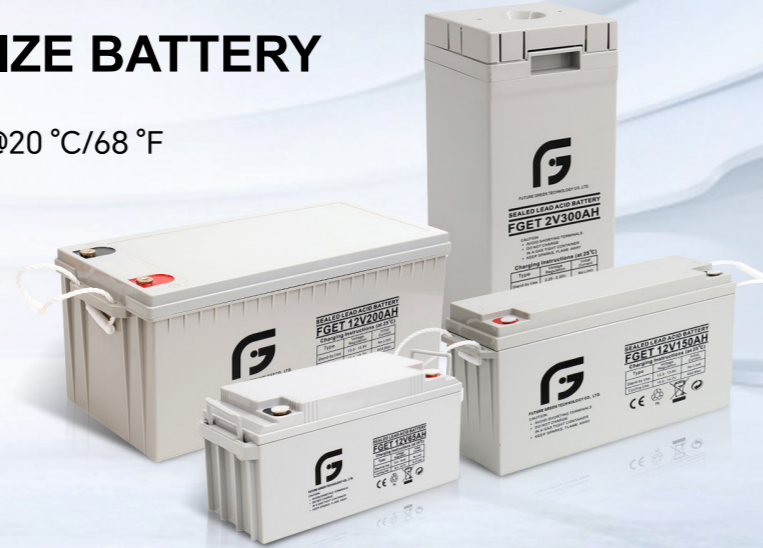
AGM BATTERY

AM SERIES MEDIUM SIZE BATTERY

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
- Fire & Security Systems
- Other Standby or Primary power supply



General Features

01 Higher Power Density

A special assembly technology is used to enhance power density to a considerable level.

02 Reliable Construction

The extra strong construction ABS container reduces case bulging and plate warping, ensuring long life and high performance.

03 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.

04 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	255	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

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

01 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.

02 Front Access Connection

Front access connection for fast, easy installation and maintenance with standard width for 19' and 23' ETSI racks.

03 Valve Regulating

Perfect venting system, is designed to release excess gas and keep the internal pressure within the optimum range of efficient performance.

04 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



FT SERIES IS A FRONT ACCESS BATTERY SPECIALLY DESIGNED FOR TELECOM APPLICATION

AGM BATTERY

SL SERIES 2V VRLA 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)/Ac cess
- Hybrid Telecom Remote Base Stations
- Grid Frequency Leveling Systems
- All Back-up Applications
- Remote Monitoring & Instrumen tation
- Renewable Energy (Solar, Small Wind and Small Hydro)



General Features

01 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.

02 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.

03 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

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

Construction

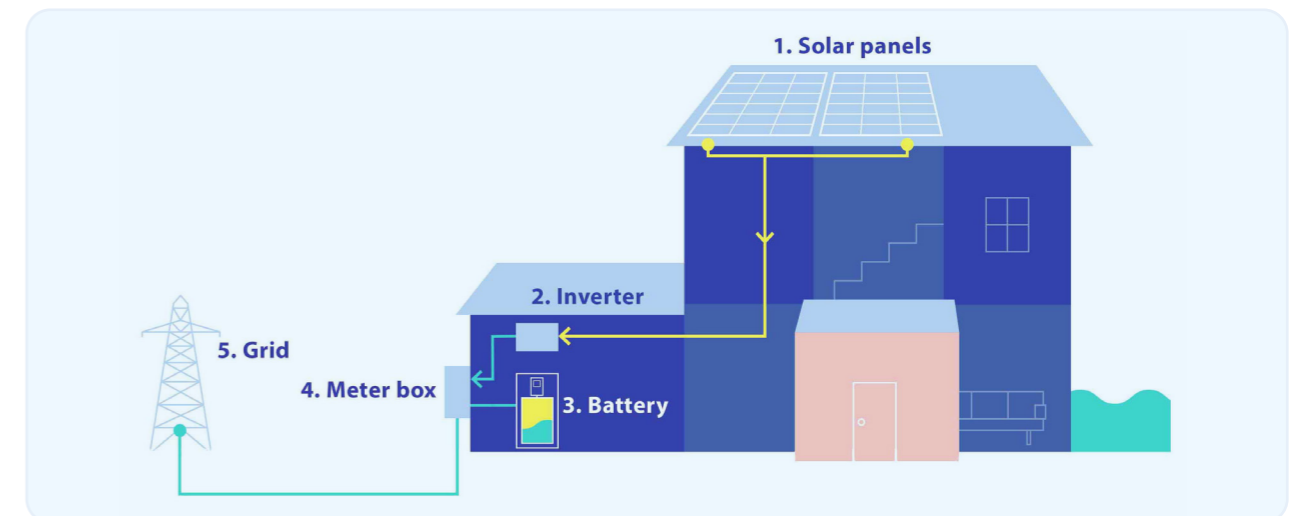
- Positive plate - tubular plate with die cast Pb-Sb alloy grid
- Negative plate - balanced Pb-Ca grid for improved recombination efficiency
- Separator - leaf shape polymer separator
- Electrolyte - dilute high purity sulphuric acid with fumed Silica gel
- Battery container and cover - ABS
- Pillar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

Main Applications

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



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



GEL BATTERY

DG SERIES DEEP CYCLE GEL BATTERY

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

Voltage covers: 6V, 8V, 12V

Capacity: from 24Ah to 260Ah



Main Applications

- Aerial Work Platform (AWP)/Ac-cess
- 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

01 GEL Technology

The success of DG batteries comes from the internationally superior Gel technology. It is ideal for standby or frequent cyclic discharge applications under extreme environments.

02 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. By using strong grids, high purity lead and patented Gel electrolyte, the DGseries offers excellent recovery after deep discharge under frequent cyclic discharge use, and can deliver 400 cycles at 100% DOD.

03 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.

DG SERIES DEEP CYCLE GEL BATTERY Part 1

Model	Voltage (V)	Capacity C20 (AH)	Dimensions				Approx. Weight (kg)	Terminal Type
			Length (mm)	Width (mm)	Height (mm)	Total height (mm)		
DG12-33	12	33	195	130	155	168	10.2	T5
DG12-40	12	40	198	166	169	169	13.2	T5
DG12-55	12	55	229	138	211	216	17.0	T5
DG12-65	12	65	350	167	182	182	21.0	T11
DG12-70	12	70	350	167	182	182	22.5	T11
DG12-75	12	75	260	169	211	218	23.5	T11
DG12-80	12	80	260	169	211	218	25.0	T11/T14
DG12-90	12	90	306.5	168.5	210	231	28.5	T11/T14
DG12-100	12	100	328	172	215	220	30.0	T11/T14
DG12-120	12	120	407	177	225	225	35.5	T11/T14
DG12-134	12	134	340	173	280	287	41.5	T11/T14
DG12-150	12	150	483	170	241	241	44.5	T11/T14
DG12-180	12	180	532	207	214	219	53.0	T11/T14
DG12-200	12	200	522	240	219	224	60.0	T11/T14
DG12-230	12	230	521	269	204	209	67.0	T11/T14
DG12-260	12	260	520	268	220	225	74.0	T11/T14



DG SERIES DEEP CYCLE GEL BATTERY Part 2

Model	Voltage (V)	Capacity C20 (AH)	Dimensions				Approx. Weight kg	Terminal Type
			Length mm	Width mm	Height mm	Total height mm		
DG6-100Ah	6	100	194	170	205	212	16.5	F14
DG6-150Ah	6	150	260	180	245	252	23.5	F12
DG6-180Ah	6	180	306	168	220	227	26.5	F12
DG6-200Ah	6	200	322	177.5	226	231	29.0	F14/F16
DG6-200Ah-S	6	200	260	180	245	252	30.0	F12
DG6-225Ah	6	225	322	177.5	226	231	32.0	F14/F16
DG6-225Ah-S	6	225	243	187	275	275	32.0	F14
DG6-310Ah	6	310	295	178	346	364	44.5	F14
DG6-280Ah	6	280	295	178	346	364	41.7	F14
DG6-335Ah	6	335	295	178	346	364	45.5	F14
DG2-200Ah	2	200	172.5	110	328	351	14.0	F10
DG2-250Ah	2	250	171	150	330	353	17.5	F10
DG2-350Ah	2	350	211	176	330	353	24.5	F10
DG2-400Ah	2	400	211	176	330	353	26.0	F10
DG2-450Ah	2	450	211	176	330	353	29.0	F10
DG2-500Ah	2	500	242	172	330	353	30.5	F10
DG2-600Ah	2	600	302	175	330	353	37.0	F10
DG2-650Ah	2	650	302	175	330	353	40.0	F10
DG2-750Ah	2	750	409	175	330	353	46.0	F10
DG2-800Ah	2	800	409	175	330	353	50.0	F10
DG2-1000Ah	2	1000	475	174	328	351	62.0	F10
DG2-1200Ah	2	1200	475	174	328	351	74.0	F10
DG2-1500Ah	2	1500	401	350	341	364	96.0	F10
DG2-2000Ah	2	2000	490	350	341	364	126.5	F10
DG2-2500Ah	2	2500	710	353	341	364	171.0	F10
DG2-3000Ah	2	3000	710	353	341	364	193.0	F10
FTG12-55Ah	12	55	291	106	230	230	18.0	F11
FTG12-90Ah	12	90	562	114	188	188	26.5	F6
FTG12-105Ah	12	105	508	110	236	236	32.5	F8/F17
FTG12-110Ah	12	110	410	110	286	286	33.0	F9
FTG12-150Ah	12	150	565	110	288	288	43.5	F9
FTG12-160Ah	12	160	565	110	288	288	47.0	F9
FTG12-180Ah	12	180	560	125	316	316	52.0	F19

T1 Terminal FASTON TYPE (Copper) quick disconnect tabs; silver coating for better conductivity

T2 Terminal FASTON TYPE (Copper) quick disconnect tabs; silver coating for better conductivity

T3 Terminal Brass Coated With Tin
Torque: 3.9 ~ 5.4 N*m(34.39 ~ 47.75 in*lbs)

T4 Terminal Brass Coated With Tin

T5 Terminal Lead
Torque: 3.9 ~ 5.4 N*m(34.39 ~ 47.75 in*lbs)

T6 Terminal Brass Coated With Tin; Threaded Insert 6mm STUD
Torque: 3.9 ~ 5.4 N*m(34.39 ~ 47.75 in*lbs)

T7 Terminal Brass Coated With Tin; Threaded Insert 6mm STUD
Torque: 3.9 ~ 5.4 N*m(34.39 ~ 47.75 in*lbs)

T9 Terminal Lead
Torque: 11 ~ 14.7 N*m(97.28 ~ 130.0 in*lbs)

T10 Terminal Lead
Torque: 3.9 ~ 5.4 N*m(34.39 ~ 47.75 in*lbs)

T11 Terminal Brass Coated With Tin; Threaded Insert 8mm STUD
Torque: 11 ~ 14.7 N*m(97.28 ~ 130.0 in*lbs)

T12 Terminal Brass Coated With Tin; Threaded Insert 5mm STUD
Torque: 2.0 ~ 3.0 N*m(17.69 ~ 26.53 in*lbs)

T13 Terminal Brass Coated With Tin; Threaded Insert 6mm STUD
Torque: 3.9 ~ 5.4 N*m(34.39 ~ 47.75 in*lbs)

T14-1 Positive Lead
Torque: 11 ~ 14.7 N*m(97.28 ~ 130.0 in*lbs)

T14-2 Negative Lead
Torque: 11 ~ 14.7 N*m(97.28 ~ 130.0 in*lbs)

INSTALLATION

- › Lay the battery with up-down direction instead of inverted in any case.
- › Abnormal vibration or shock is not allowed.
- › Do insulate when installation.
- › Make the batteries ventilated and gapped.
- › Do not mixed up different brand and different manufacturing date batteries.
- › Separate the batteries from organic solvent.



APPLICATION

- › Ensure the application conditions to be in compliance with manufacturer's specification requirement.
- › Charge battery to full at the first use or after term storage.
- › Since installed in UPS, the battery life cycle be seriously affected if the operating frequency is high.
- › Inspect lead acid battery regularly.
- › Do replace a new battery if the ABS container is deformed or leaking.
- › Fire risk exists if the wires do not joint tightly at terminal.
- › Discharging once every three months is recommendable if there is no power- off. Do replace the battery if the charging voltage and discharging voltage is abnormal.
- › Replace the battery immediately if the battery capacity is less than 50% of rated capacity.



MAINTENANCE

- › When cleaning the batteries, use a soft damp cloth. A dry cloth may cause static electricity that could result in a fire or explosion.
- › ALWAYS replace the batteries with the new ones before the end of their useful life (50% state of their initial discharge duration time) as determined in the specifications.
- › Precautions are required to prevent using batteries in a high temperature environment.
- › Avoid using organic solvents such as thinner, gasoline, lamp oil or benzene and liquid detergent to clean the batteries.
- › ALWAYS make sure the battery terminals are clean to prevent the development of unnecessarily high resistance. High resistance will impair battery performance.



STORAGE

- › ALWAYS Store the batteries in a safe place away from metal or other conductive materials.
- › ALWAYS keep the batteries from water that could cause corrosion on the terminals of the batteries.
- › ALWAYS keep the batteries right-side-up during transportation. AVOID letting rough handling of the batteries, e.g. strong shock and/or jolt. Moving the batteries in other than the up-right position may impair battery performance.
- › When storing the batteries, be sure to remove them from the equipment or disconnect them from the charger and the load.
- › Charge the batteries at least once every six months if they are stored at 25 C (77 F).
- › To prevent the shortening the battery life ALWAYS store the batteries in a fully charged state.



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