

Reliable VRLA Batteries



DELTA batteries are designed for UPS, telecom systems, solar and wind systems, and electrical facilities

DELTA
BATTERY

DELTA batteries - are the reliable industrial VRLA batteries, introduced to the Russian market in 2001.

The **DELTA** range of sealed lead-acid batteries is based on Absorbent Glass Mat (AGM) and Gel technology.

DELTA batteries are successfully used in UPS applications, telecom systems, solar systems and energy systems.

Series	Technology	Nominal Voltage (V)	Nominal Capacity (Ah)	Design life, years
HR	AGM	6, 12	4.5 - 100	5, 10
HR-W	AGM	12	5 - 20	5
HRL	AGM	12	7.2 - 140	10 - 12
HRL-W	AGM	12	26 - 200	10 - 12
STC	AGM	12	100 - 3000	15
FTS	AGM	12	80 - 180	12
GX	GEL	6, 12	12 - 225	10 - 12
GSC	GEL	12	100 - 3000	15

DELTA HR series are designed in accordance with AGM (Absorbent Glass Mat) technology and for general application purpose, such as UPS, telecom, and electrical utilities with 5 and 10 years design life.

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



Applications

- ▲ Cable Television
- ▲ Communications Equipment
- ▲ Control Equipment
- ▲ Computers
- ▲ Electronic Cash Registers
- ▲ Electric Test Equipment
- ▲ Geophysical Equipment
- ▲ Medical Equipment
- ▲ Micro Processor Based Office Machines
- ▲ Solar Powered Systems
- ▲ Telecommunications Systems
- ▲ Television & Video Recorders
- ▲ Uninterruptible Power Supplies

General Specifications

5 years design life

Type	Nominal Voltage(V)	Nominal Capacity (Ah)	Length, mm	Width, mm	Total Height, mm	Weight (Approx), kg
HR 6-4.5	6	4,5	70	47	107	0,77
HR 6-7.2	6	7,2	151	34	100	1,2
HR 6-12	6	12	151	50	100	1,85
HR 12-4.5	12	4,5	90	70	107	1,72
HR 12-7.2	12	7,2	151	65	100	2,5
HR 12-9	12	9	151	65	100	2,78
HR 12-12	12	12	151	98	101	3,67
HR 12-18	12	18	181	77	167	5,9
HR 12-26	12	26	166	175	125	9,2

10 years design life

Type	Nominal Voltage(V)	Nominal Capacity (Ah)	Length, mm	Width, mm	Total Height, mm	Weight (Approx), kg
HR 12-40	12	40	197	165	170	13,8
HR 12-65	12	65	350	167	179	23,4
HR 12-100	12	100	330	171	220	32

DELTA HR-W series are specially designed for applications that require high power output. By optimum design of battery grids and plate paste formula, the **HR-W series** can deliver up to 40% more power than **DELTA HR series**.

Design life is 5 years.

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



Applications

- ▲ Office machines and Computers
- ▲ Telecommunications
- ▲ UPS Equipment
- ▲ Electrical facilities
- ▲ Vending machine

General Specifications

Type	Nominal Voltage(V)	Nominal Capacity (Ah)	Length, mm	Width, mm	Total Height, mm	Weight (Approx), kg
HR 12-21W	12	5	90	70	107	1,8
HR 12-24W	12	6	151	52	99	2,18
HR 12-28W	12	7	151	65	100	2,1
HR 12-34W	12	9	151	65	100	2,62
HR 12-51W	12	12	151	98	101	3,9
HR 12-80W	12	20	181	77	167	6,5

5 years design life

DELTA HRL series are designed for general-purpose applications, such as UPS, telecom, and electrical utilities.

Design life is 10-12 years.

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

With more than 12 years of production experience, **DELTA HRL series** of VRLA batteries are recognized as the most reliable and high quality battery system in the industry.



Applications

- ▲ UPS
- ▲ Telecom Systems
- ▲ Solar Systems
- ▲ Cable TV
- ▲ Electric Wheelchair
- ▲ Power Station
- ▲ Marine Equipment
- ▲ Military Equipment
- ▲ Electric Fork
- ▲ Emergency Power System
- ▲ Railway System

General Specifications

Type	Nominal Voltage(V)	Nominal Capacity (Ah)	Length, mm	Width, mm	Total Height, mm	Weight (Approx), kg
HRL 12-7.2	12	7,2	151	65	100	2,5
HRL 12-9 (1234W)	12	9	151	65	100	2,8
HRL 12-12	12	12	151	98	101	3,67
HRL 12-26	12	26	165	125	175	9,7
HRL 12-33	12	33	195	130	168	10,2
HRL 12-45	12	45	197	165	170	14,8
HRL 12-55	12	55	229	138	213	19,5
HRL 12-75	12	75	258	166	215	24
HRL 12-90	12	90	306	169	214	30
HRL 12-100	12	100	330	171	222	33
HRL 12-140	12	140	342	172	277	42,5

DELTA HRL-W series are specially designed for applications that require high power output. By optimum design of battery grids and plate paste formula, the HR-W series can deliver up to 40% more power than **DELTA HRL series**.

Design life is 10-12 years.

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



Applications

- ▲ Office machines and Computers
- ▲ Telecommunications
- ▲ UPS Equipment
- ▲ Electrical facilities
- ▲ Vending machine

General Specifications

Type	Nominal Voltage(V)	Nominal Capacity (Ah)	Length, mm	Width, mm	Total Height, mm	Weight (Approx), kg
HRL 12-155W	12	26	165	125	175	9,7
HRL 12-211W	12	45	197	165	170	14,8
HRL 12-260W	12	55	229	138	213	17,2
HRL 12-320W	12	75	258	166	215	24
HRL 12-370W	12	80	350	167	179	26,2
HRL 12-420W	12	90	306	169	214	30
HRL 12-470W	12	100	330	171	222	33
HRL 12-560W	12	120	410	176	227	37,7
HRL 12-605W	12	135	482	170	242	44,8
HRL 12-650W	12	150	482	172	240	46,4
HRL 12-725W	12	170	530	209	220	55,7
HRL 12-810W	12	185	522	238	223	66
HRL 12-890W	12	200	522	238	223	67,5

DELTA STC series are recognized as the most reliable and high quality battery system in the industry. **DELTA STC series** batteries designed with advanced AGM (Absorbent Glass Mat) technology, Long service life designed with 15 years.



Applications

- ▲ Communication equipment
- ▲ Telecommunication control equipment
- ▲ Emergency lighting systems
- ▲ Electric power systems
- ▲ Power station
- ▲ Nuclear power station
- ▲ Solar powered and wind powered systems
- ▲ Load leveling and storage equipment
- ▲ Power generation plants
- ▲ Uninterruptible power supplies
- ▲ Stand-by power for computers
- ▲ Control equipment
- ▲ Stand-by electric power

General Specifications

Type	Nominal Voltage(V)	Nominal Capacity (Ah)	Length, mm	Width, mm	Total Height, mm	Weight (Approx), kg
STC 100	2	100	171	72	211	7,2
STC 150	2	150	171	102	221	8,2
STC 200	2	200	173	111	364	15
STC 300	2	300	171	152	364	21
STC 400	2	400	210	176	367	28
STC 500	2	500	241	175	365	33
STC 600	2	600	302	175	367	42
STC 800	2	800	410	175	367	57
STC 1000	2	1000	475	175	367	66,5
STC 1500	2	1500	400	350	382	100
STC 2000	2	2000	490	350	382	132
STC 3000	2	3000	710	350	382	204

DELTA FTS series is mainly used in the area of communication, which is novel in design, reasonable in structure and occupying the leading position in the same industry of the world.

Design life is up to 12 years.



Applications

- ▲ Communication equipment
- ▲ Uninterruptible power supplies
- ▲ Telecommunication systems
- ▲ Electronic cash registers
- ▲ Microprocessor based office machine
- ▲ Other standby power supplies

General Specifications

Type	Nominal Voltage(V)	Nominal Capacity (Ah)	Length, mm	Width, mm	Total Height, mm	Weight (Approx), kg
FTS 12-80	12	80	564	115	189	28,2
FTS 12-100X	12	100	508	110	231	32,5
FTS12-105	12	105	397	110	293	36
FTS12-125	12	125	439	110	316	42,3
FTS12-140	12	140	554	110	295	50
FTS12-150	12	150	548	105	316	49,8
FTS12-180	12	180	546	125	315	60,5

DELTA GX series battery is manufactured with special sheet separator and colloidal or foamed silica.

The batteries use silica gel to immobilize the electrolyte inside the battery.

The proven silica gel technology improves battery cycle life and performance at cold ambient temperatures.

The deep discharge cycles is increased by 50% as compared with the AGM battery.

Design life (capacity more than 33Ah) is up to 12 years.

Applications

- ▲ Solar and wind systems
- ▲ Cable TV
- ▲ Telecommunications
- ▲ Wheelchair
- ▲ Marine Equipment
- ▲ Emergency lighting
- ▲ Power Plants
- ▲ Medical Devices



General Specifications

Type	Nominal Voltage(V)	Nominal Capacity (Ah)	Length, mm	Width, mm	Total Height, mm	Weight (Approx), kg
*GX 12-12	12	12	151	98	101	3,67
*GX 12-17	12	17	181	77	167	5,5
*GX 12-24	12	24	166	175	125	8,1
GX 12-33	12	33	195	130	168	11
GX 12-40	12	40	197	165	170	14,7
GX 12-45	12	45	197	165	170	14,6
GX 12-55	12	55	239	132	210	17,3
GX 12-60	12	60	258	166	215	24
GX 12-65	12	65	350	167	179	23,4
GX 12-75	12	75	258	166	215	23,5
GX 12-80	12	80	350	167	179	24
GX 12-90	12	90	306	169	215	30
GX 12-100	12	100	330	171	222	32
GX 12-120	12	120	410	176	227	38
GX 12-150	12	150	482	170	240	47
GX 12-200	12	200	522	238	223	65
GX 12-230	12	230	520	269	208	72,6
GX 6-225	6	225	320	176	230	30,5

*5 years design life

DELTA GSC series battery is manufactured with special sheet separator and colloidal or foamed silica.

The batteries use silica gel to immobilize the electrolyte inside the battery.

The proven silica gel technology improves battery cycle life and performance at cold ambient temperatures.

The deep discharge cycles is increased by 50% as compared with the AGM battery.

Design life is 15 years.

Applications

- ▲ Solar and wind systems
- ▲ Cable TV
- ▲ Telecommunications
- ▲ Wheelchair
- ▲ Marine Equipment
- ▲ Emergency lighting
- ▲ Power Plants
- ▲ Medical Devices



General Specifications

Type	Nominal Voltage(V)	Nominal Capacity (Ah)	Length, mm	Width, mm	Total Height, mm	Weight (Approx), kg
GSC150	2	100	171	72	211	7,2
GSC100	2	150	171	102	221	8,2
GSC 200	2	200	173	111	364	15
GSC300	2	300	171	152	364	21
GSC 400	2	400	210	176	367	28
GSC 500	2	500	241	175	365	33
GSC 600	2	600	302	175	367	42
GSC 800	2	800	410	175	367	57
GSC1000	2	1000	475	175	367	66,5
GSC1500	2	1500	400	350	382	100
GSC2000	2	2000	490	350	382	132
GSC3000	2	3000	710	350	382	204



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