

OSAKA

BATTERIES



Powering Lives, Worldwide

All automotive & power backup solutions

Collaboration with





Pakistan Accumulators (Pvt) Limited

Vision

A customer trust winning company believe in quality products through continuous Research & Development ensuring sustainable returns to stakeholders.

Core Values

- Integrity & Credibility
- Sense of Ownership
- Speak from the Heart
- Environment Friendly
- Honesty & Accountability
- Motivation & Team work
- Innovative Thinking

PAL Introduction

As an ISO 9001, ISO 14001 & ISO 45001 certified company, we have been producing various types of automotive and inverter batteries, under the brand name of "OSAKA", for more than 2 decades. This was initially done with technical support from Chloride Industrial Batteries Limited, Our Facility is equipped with experienced and skilled professionals to ensure optimum quality of our product. We are committed to continuous improvement, bringing superior performance batteries to meet the needs of our customers. It is the customer's satisfaction and confidence, supported by hardwork of our team which leads to our jubilant success.

Company Profile

Basic Information

Company Name:	M/S Pakistan Accumulators Private Limited
Entity Name:	Private Limited
Business Type:	Manufacturer & Exporters of Automotive & Inverter Batteries
No. of Employees:	4000 (approximately)
Corporate Office Address:	# 2, Street # 63, F-8/4, Islamabad, Pakistan
Company Website URL:	www.osaka.com.pk
Year of Incorporation:	1989
Product Standards:	Japanese Industrial Standards (JIS) Deutsches Instiut Fur Normung (DIN) International Electro-Technical Commission (IEC) Pakistan Standard Quality Control Authority (PSQCA)

Products:

- Maintenance Free Calcium⁺⁺ Batteries: 20 AH to 150 AH
- Lead Acid Dry Charged Batteries: 20 AH to 220 AH
- Motorcycle Batteries: 3 AH to 28 AH.
- Valve Regulated Lead Acid Batteries (VRLA): 75 AH to 3000 AH.
- Tubular Plate Batteries: From 45 AH to 260 AH.
- OPzS/OPzV Batteries: From 150 AH to 600 AH.

Brands: Osaka & customized branding for International Market



Main Markets:

Local:

All over Pakistan including AJK. Having eight Regional offices / Regional sales teams (Peshawar, Rawalpindi, Faisalabad, Lahore, Multan, Sukkur, Hyderabad, Karachi) to ensure maximum coverage throughout the country.



Exports:

More than 20 countries around the world. (Saudi Arabia, Dubai, Oman, Kuwait, Afghanistan, Iraq, Lebanon, Jordan, Tanzania, Togo, Yemen, Bangladesh, Nepal, Madagascar, Mauritius, Sudan, Singapore, Libya, Tajikistan and Sri Lanka)

Accreditation:

- Quality Management Certification ISO 9001:2015
- Environment Management System ISO 14001:2015
- Occupational Health & Safety Management System ISO 45001:2018
- QA International UKAS (UK)
- IEC by CNC (Conformity 'n Compliance Services Nordheim Germany)
- Pakistan Standard Quality Control Authority (PSQCA)

ISO Certified

ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018



Achievements and Awards:

- **FPCCI Export Award:** 2004-2022 (19 consecutive years)
- **Brand of the year Award:** 2006-08, 2022
- **Consumer Choice Award:** 2011, 2016
- **NFEH Environment Excellence Award:** 2018-2020
- **NFEH Fire Safety Award:** 2018, 2020

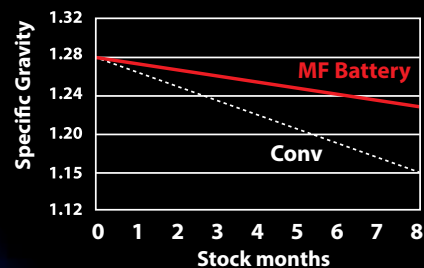


Maintenance Free Calcium⁺ Automotive Batteries

Pakistan Accumulators (Pvt.) Ltd. is always one step ahead of the market, providing new and advanced products to its customers, Maintenance free concept focuses on the effort to minimize the evaporation process inside the battery, so it does not require water addition (no maintenance is required compared to conventional batteries) for the whole battery life.



Battery Types	Battery Box Size	AH 20 Hr	Plates Per Cell	Wet Wt. Kg	Dimension (mm)		
					L	W	H
MF CALCIUM+ AUTOMOTIVE BATTERIES (JIS STANDARD)							
MF-12GEN30R/L	NS40	20	5	8.40	198	126	198
MF-42B20R/L		35	9	10.14	198	126	198
MF-46B20R/L		38	11	11.40	198	126	198
MF-50B24R/L	N40	40	11	12.55	236	128	200
MF-55D23R/L	55D23	60	11	16.60	230	173	204
MF-60D26R/L	N50	50	9	15.40	254	170	198
MF-80D26R/L		65	11	17.00	254	170	198
MF-90D31R/L	N70	75	12	18.93	304	171	200
MF-95D31R/L		80	13	19.47	304	171	200
MF-100D31R/L		90	15	20.60	304	171	200
MF-6X15-(SLI)	6x15	95	15	24.53	365	170	202
MF-100-(SLI)	N100	100	17	26.00	398	168	208
MF-120-(SLI)	N120	125	21	34.00	504	182	208
MF-150-(SLI)	N150	145	25	42.00	504	218	210
MF CALCIUM ⁺ AUTOMOTIVE BATTERIES (DIN STANDARD)							
DIN-MF-55559	DIN-55	55	11	16.30	245	177	190
DIN-MF-56640	DIN-66	66	13	19.00	277	177	190
DIN-MF-58827	DIN-88	88	17	23.50	350	177	190



Self-Discharge Characteristic

Charge Indicators

Each MF battery is equipped with indicator which shows charging conditions.



Good Condition



Needs Charging



Replace Battery



OPTIMISED
STARTING POWER



ENHANCED SAFETY
AND ENVELOPE SEPARATORS



ADVANCED CALCIUM
PLUS TECHNOLOGY



STATE OF CHARGE
INDICATOR



SEALED
MAINTENANCE FREE

Features

- Calcium⁺ Technology reduces Electrolyte consumption & increase life of the Batteries.
- Polyethylene Envelope Separators are used to reduce short circuits.
- Magic Eye Indicators are fitted which shows the state of Batteries for Charged/Discharged or Replace the Battery.
- Electrolyte filled, no initial charging required & ready to use.
- Equipped with the Flame Arrestors for Flammability prevention.
- Free of Corrosion, keep the engine parts and Battery Terminal clean.
- High Cranking Ability even in extreme Cold Weather.
- All DIN MF Batteries are provided with Base Hold Down.



Lead Acid Dry Charged Automotive Batteries

Pakistan Accumulators (Pvt.) Limited is the leading company in Pakistan with three decades of experience in manufacturing conventional lead acid dry charge batteries (shallow cycle & deep cycle batteries) as per JIS standard. In addition to that, Pakistan Accumulators (Pvt.) Limited is also making popular models of DIN standards.



Features

- Designed for High Performance Vehicles with extreme high Power demands.
- High Cold Cranking Ability ever at Sub Zero Temperature.
- Exceeds Original Equipments (OE) Requirements.
- All DIN Dry Charged Batteries are provided with Base Hold Down.

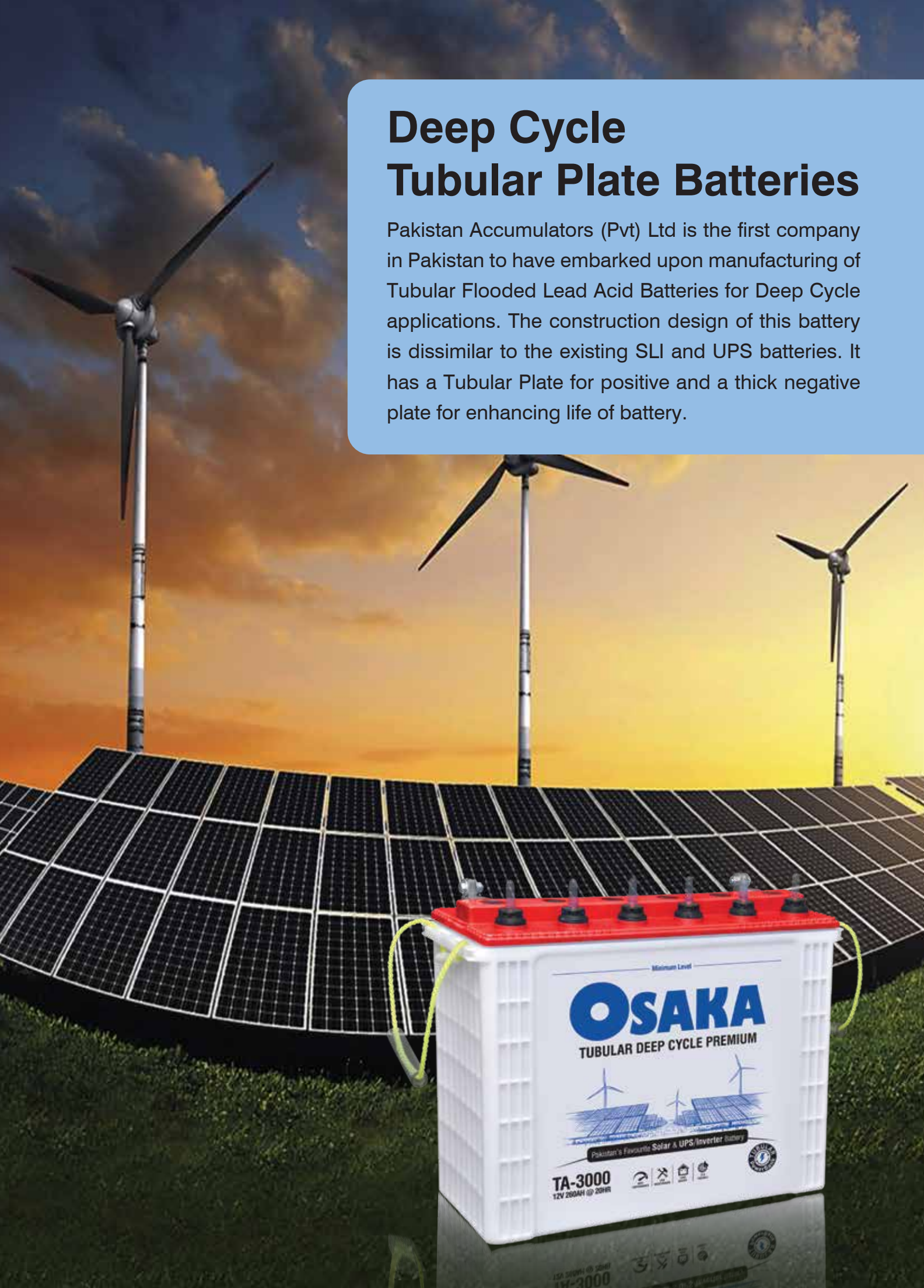
Range of Batteries:

Battery Types	Battery Box Size	Plates Per Cell	Capacity	CCA -18 C	RCT MIN	Dry Wt. Kg	Dimension(mm)			Terminal Type	Battery Layout
			20 Hr				L	W	H		
LEAD ACID DRY CHARGED AUTOMOTIVE BATTERIES (JIS STANDARD)											
12MCR20L	NS40	5	20	**	**	5.30	195	127	200	A	R/L
12MCR25L		7	25	**	**	6.35	195	127	200	A	R/L
NS40		9	32	243	47	7.70	195	127	200	A	R/L
NS40ZP		9	38	243	47	7.50	195	127	200	A	R/L
NS40Z		11	42	274	52	8.68	195	127	200	A	R/L
N40	N40	11	48	238	57	8.86	232	132	202	B	R/L
NS60		12	45	325	71	9.62	232	132	202	A/B	R/L
N50	N50	9	50	278	81	10.40	257	168	202	B	R/L
N50Z		11	60	356	101	11.85	257	168	202	B	R/L
NS70		13	65	413	113	13.53	257	168	202	B	R/L
N70A	N70	11	65	356	101	12.92	302	170	203	B	R/L
N70		13	65	356	101	14.05	302	170	203	B	R/L
N70Z		15	75	447	137	15.77	302	170	203	B	R/L
6X15	NS100	15	97	512	180	16.70	367	170	202	B	R/L
NS100		17	105	512	182	18.53	367	170	202	B	R/L
N100	N100	17	100	512	182	18.90	405	172	208	B	R/L
N100Z		19	110	512	182	20.60	405	172	208	B	R/L
N120S	N120	21	120	638	228	25.20	500	178	210	B	R
N135		23	135	710	260	25.40	500	178	210	B	R
N150	N150	23	135	710	260	27.90	502	218	210	B	R
N150Z		25	200	874	405	28.10	502	218	210	B	R
N160		27	220	924	421	30.20	502	218	210	B	R
N200	N200	31	200	946	874	34.60	515	274	212	B	R
N200Z		33	220	1000	924	36.30	515	274	212	B	R
6TN	6TN	25	110	462	170	22.00	280	265	200	B	R
LEAD ACID DRY CHARGED AUTOMOTIVE BATTERIES (DIN STANDARD)											
DIN44	DIN44	9	44	250	66	9.95	210	177	187	B	L
DIN55	DIN55	11	55	255	80	11.80	245	177	187	B	L
DIN66	DIN66	13	66	350	100	13.55	276	177	187	B	L
DIN72		15	72	375	125	15.35	276	177	187	B	L
DIN88	DIN88	17	88	400	150	17.45	355	177	195	B	L
DIN92		19	92	500	175	19.30	355	177	195	B	L



Deep Cycle Tubular Plate Batteries

Pakistan Accumulators (Pvt) Ltd is the first company in Pakistan to have embarked upon manufacturing of Tubular Flooded Lead Acid Batteries for Deep Cycle applications. The construction design of this battery is dissimilar to the existing SLI and UPS batteries. It has a Tubular Plate for positive and a thick negative plate for enhancing life of battery.





Features

- Tubular Positive Plates & Thick Negative Plates are used for giving longer life to the Batteries.
- Better Electrical Performance due to low Electrical Resistance PE Separators and prevents oxidation.
- Float Indicators are fitted to determine the level of Electrolyte .
- Designed to have life of over 1250 Cycles at 80 % DOD.

Applications

- UPS/Inverters
- Telecommunication System
- Wind and Solar Energy
- Emergency Lighting

Range of Batteries:

Battery Type	Rated Capacity @ 25 °C	Dimensions (mm)				Weight (Wet)
	20 HR	L	W	H	H ^t	
TA-600	45	257	170	204	304	14.00
TA-700	75	300	170	207	242	20.00
TA-1000	80	345	175	265	295	30.50
TA-1200	125	345	175	265	295	37.80
TA-1100	90	506	220	220	296	40.10
TA-1300	110	506	220	220	296	45.90
TA-1400	135	506	220	220	296	47.60
TA-1600	150	506	220	220	296	48.80
TA-1500	140	500	190	352	360	47.00
TA-1700	170	500	190	352	360	53.50
TA-2000	230	500	190	352	380	60.70
TA-1800	185	500	190	373	410	55.00
TA-2500	230	500	190	373	410	63.10
TA-3000	260	500	190	373	410	72.20



Valve Regulated Lead Acid (VRLA) Batteries

Valve Regulated Lead Acid Series is designed for the service with high requirements. Since its grids are made up of special multi-element alloy, the cell has a longer deep cycle life and better discharge performance. This series has an excellent performance in heat dissipation. With the front terminal designed for the connection with external circuit and availability of different connection bars, the battery can be mounted and dismounted easily and quickly lowering the cost of maintenance. The product is suitable for service in Telecom, UPS, Power plant, transformer substation, control system, microwave relay station, remote sensing device, solar and wind energy applications.



Features:

- AGM & Gel Technology.
- Available in 12 Volts & 2 Volts Series.
- 10 Years Design Life (25 C®)
- Front Access Terminal for easy Installation & Maintenance.
- Flame Retardant Container & Cover with ABS Material.
- High Reliability & Long Cycle Life.

Applications:

- Uninterruptible Power Supply (UPS).
- Wheelchairs.
- Lawn & Garden Tools.
- Emergency Lightning.
- Telecom Backup Power Supplies.
- Gen set starting.

Range of Batteries:

Battery Type	Capacity 10 Hr	Dimension (mm)			Battery Weight In Kg
		L	W	H	
VRLA 12 V					
6-FMX 75 B	75	395	110	286	25.00
6-GFM 80	80	288	174	214	25.00
6-FMX 100 B	100	395	110	286	32.00
6-FMX 125 B	125	550	110	310	41.00
6-FMX 150 B	150	550	110	310	49.00
6-FMX 180 B	180	559	125	315	60.00
6-GFM 200	200	525	260	220	72.00
VRLA 2 V					
GFM 200	200	110	171	365	15.00
GFM 300	300	150	170	367	21.00
GFM 400	400	210	171	367	28.00
GFM 500	500	241	173	369	35.00
GFM 600	600	304	175	370	41.00
GFM 800	800	410	175	365	56.00
GFM 1000	1000	472	171	365	69.00
GFM 1500	1500	399	350	382	102.00
GFM 2000	2000	489	349	382	135.00
GFM 3000	3000	708	352	382	199.00



Golf Cart/Electrical Vehicle Batteries

Osaka Battery is also pioneer in manufacturing advanced deep cycle batteries in Pakistan. Our respected customers rely on Osaka deep cycle batteries to deliver superior output.

Features:

- Thick Antimonial Lead Alloy Grids for long life & increase Cycle Life.
- Positive & Negative Terminals are covered with Plastic Caps.
- Heavy Duty PE Separators for long life.
- Containers/Covers made of PP Material and are Heat Sealed.
- High Paste Density for reduce Shedding during Cycling and extending Battery Life.
- Designed for increased Cycle Life with low Maintenance.
- Special Expander is used for long backup time of the Battery.
- Available in 8 Volt & 6 Volt Version.
- Available in Tubular & Flat Positive Plate.

Applications:

- For Golf Carts
- Electric Fork Lifters
- Electric Vehicles
- Electric Floor Machineries

Range of Batteries:

Nomenclature	Volts	Capacity @ 20 HRS	Over all Dimensions (mm)			Weight (Wet)
			L	W	TH	
8-GCF	8	160 AH	260	182	282	31.5 Kg
6-GCT	6	210 AH	260	182	302	30.5 Kg
6-GCF	6	225 AH	260	182	282	31.0 Kg



Motorcycle Batteries

Pakistan Accumulators (Pvt.) Limited manufactures motorcycle batteries both in Dry Charge & VRLA AGM version. Our batteries are known for quality and long lasting performance. Our range of products in VRLA & Dry Charged versions is from 3 AH to 9 AH. These batteries are used in motorcycles as well as in utility equipment like lawn mowers, computers etc.

Features

- Power Start Up
- Low Internal Resistance
- Better Service Life

Range of Batteries:

Battery Types	Battery Box Size	Plates per Cell	Capacity 10 Hr	Weight (Kg)	Dimension (mm)		
					L	W	H
Supreme 4 VRLA	MCB	3	3	1.30*	80	78	105
Supreme 6 VRLA	MCB	5	5	2.00*	120	60	128
Supreme 8 VRLA	MCB	7	7	2.80*	149	60	130
Supreme 10 VRLA	MCB/Gen	7	9	3.50*	135	75	140
Super 4	MCB	3	3	0.98**	80	78	105
Super 6	MCB	7	5	1.76**	125	60	130
Super 7	MCB	5	6.5	1.50**	150	65	100
Super 8	MCB	9	7	2.24**	155	60	130
Super 10	MCB/Gen	7	9	2.63**	140	76	140



Specialized Small VRLA Batteries

NP Series VRLA AGM Deep Cycle Battery

Features

- Suitable for Deep Cycle Purpose.
- In Opaque ABS Fire Retardant Container.
- High Impact Strength.
- Completely Sealed Maintenance Free Battery with AGM Technology.
- No Top Up Required.
- Provides Long Life.

Range of Batteries:

Type	Capacity @ 20 Hr	No. of plates	Dimentions (mm)			Boost Charging Current	Weight Kg
			L	W	H		
NP5-12	5.0	05	90	70	101.5	0.5 Amp	1.65
NP7-12	7.2	07	152	65	100	7.2 Amp	2.50
NP12-12	12.0	13	151	98	93	12 Amp	3.5



6-GFM VRLA AGM E-Bike Battery

Features

- Suitable for E-bikes.
- In Opaque ABS Fire Retardant Container.
- High Impact Strength.
- Completely Sealed Maintenance Free Battery with AGM Technology.
- Provides Long Life.

Range of Batteries:

Type	Capacity @ 20 Hr	No. of plates	Dimentions (mm)			Boost Charging Current	Weight Kg
			L	W	H		
6-GFM-18	18	09	181	76	164	3.6 Amp	5.7
6-GFM-20	20	09	180	76	169	4 Amp	7.3
6-GFM-28	28	15	167	176	126	5.6 Amp	9.8
6-GFM-45	45	07	197	165	171	9 Amp	14.0





Pakistan Accumulators (Pvt) Limited

Manufacturer & Exporter of Automotive & Inverter Batteries

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