

Refreshing Power After Every New Task



SEALED LEAD ACID BATTERY
MAINTENANCE - FREE & RECHARGEABLE

GPP Maintenance-Free & Rechargeable Battery

BATTERY SPECIFICATIONS

BATTERY TYPE	NOMINAL VOLTAGE (V)	CAPACITY (AH)	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	TOTAL HEIGHT (mm)	WEIGHT (kg)	TERMINAL TYPE	QUANTITY / CARTON
GPP612	6	1.2	97	24	52	58	0.31	T1	40
GPP625	6	2.5	66	33	97	104	0.60	T1	25
GPP632	6	3.2	134	35	61	67	0.66	T1	20
GPP645	6	4.5	70	47	101	107	0.75	T1	20
GPP670	6	7.0	151	34	94	100	1.20	T1 / T2	10
GPP6100	6	10.0	151	50	94	100	1.60	T1 / T2	10
GPP6120	6	12.0	151	50	94	100	1.85	T1 / T2	10
GPP1212	12	1.2	97	43	52	58	0.61	T1	20
GPP1223	12	2.3	178	35	61	67	0.99	T1	10
GPP1232	12	3.2	134	67	61	67	1.30	T1	10
GPP1245	12	4.5	90	70	101	107	1.45	T1	10
GPP1272	12	7.2	151	65	94	100	2.35	T1 / T2	8
GPP12120	12	12.0	151	98	95	101	3.70	T2	4
GPP12170	12	17.0	181	77	167	167	5.50	T3 / T8	4
GPP12260	12	26.0	166	175	125	125	8.40	T3 / T8	1

HEAVY DUTY

GPP12330	12	33	195	130	159	180	10.2	T7 / T9	1
GPP12400	12	40	197	165	170	170	13.5	T4 / T9	1
GPP12650	12	65	350	167	179	186	22.0	T5 / T9	1
GPP12800	12	80	350	167	179	186	25.0	T5 / T9	1
GPP121000	12	100	330	171	214	224	32.0	T5 / T9	1
GPP121200	12	120	409	176	225	225	37.5	T5 / T11	1
GPP121500	12	150	485	172	240	242	47.0	T5 / T11	1
GPP122000	12	200	522	238	218	238	65.0	T5 / T11	1

2 VOLT CELL BATTERY

GPP2100	2	100	171	72	206	209	7.2	T10	2
GPP2150	2	150	171	102	206	221	8.5	T10	2
GPP2200	2	200	173	109	330	364	14.5	T10	1
GPP2300	2	300	171	151	330	364	20.0	T10	1
GPP2400	2	400	210	176	330	367	27.0	T10	1
GPP2500	2	500	241	171	330	365	32.0	T10	1
GPP2600	2	600	302	175	330	367	40.0	T10	1
GPP2800	2	800	410	175	330	367	55.0	T10	1
GPP21000	2	1000	475	175	330	367	65.0	T10	1
GPP22000	2	2000	490	350	350	382	130.0	T10	1
GPP23000	2	3000	710	350	350	382	200.0	T10	1

Note : - For other sizes kindly refer to us with your requirements. You are required to give us the container dimension and required capacity (AH).

[GPP Products reserve the right to change the data in this brochure with or without prior notice]

BATTERY TERMINAL



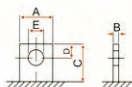
T1



T2



T8 T9 T10 T11

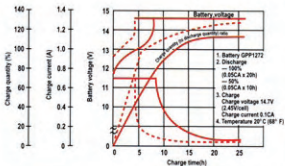


T3 T4 T5 T7

Type	A	B	C	D	E
T3	12	2.0	14	5.0	Ø 5.5
T4	20	3.0	16	7.0	Ø 6.0
T5	22	3.5	22	8.5	Ø 8.0
T7	17	6.0	16	7.0	Ø 8.0

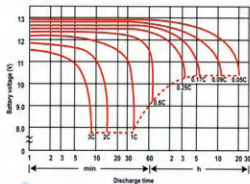
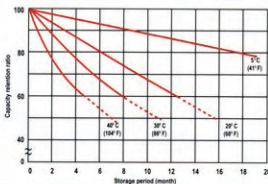
Type	M	Ø
T8	5	12
T9	6	14
T10	8	20
T11	8	16





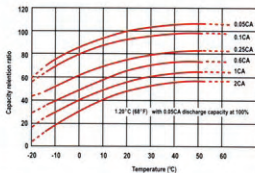
Charging Characteristics

Discharge Characteristics at various rates (25°C)

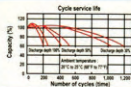


Self Discharge Characteristics

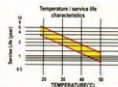
Temperature and Discharge Capacity



CHARGER		Charging Voltage	
		CHARGING VOLTAGE (AT 20°C = 68°F)	
CONSTANT VOLTAGE	8V	7.35 - 7.5V	6.75 - 6.90V
	12V	14.7 - 15V	13.5 - 13.8V



Storage temperature and recommended Supplementary charge method.		
Storage temperature	Recharge Interval	Charge method
Below 20°C (68°F)	every 6 months	24 hours 2.35 V/cell
20°C to 30°C (68°F to 86°F)	every 3 months	12 hours 2.40 V/cell
Over 30°C (86°F)	storage to be avoided	12 hours 2.40 V/cell



ENHANCE USAGE

.....available on request



Emergency Lighting



Golf Cart



Uninterrupted Power Supply (UPS)



Key Phone



Toy Plane



Electric Lawn mower



Fire Alarm



Security Systems



Toy Car



VCR Camera



Electric WheelChair



Cash Register



Electric Motorcycle



Tele Communication

DEEP CYCLE

Specialised grid alloy and paste formulation with additives in the electrolyte ensures superb cyclic service life of more than 400 cycles to 80% depth of discharge.

Common Usage :

- Electric powered mobility vehicles chair
- Golf carts and buggies
- Electric powered scooters and bikes
- Solar power systems
- Medical equipments

HIGH TEMPERATURE

Heavy duty and anticorrosive grid alloy with special heat resistant battery container ensures higher operating temperature environment to reach up to 158°F (70°C).

Common Usage :

- Fire alarm systems
- Lighting equipments
- Outdoor electronic instruments
- Outdoor telecommunication systems

GEL

Designed with specialized glass mat separator and absorbed silica gel electrolyte to provide reliable power for renewable energy applications and frequent cycles usages.

Common Usage :

- Water pump
- Wind generator
- Caravan, recreational vehicles and motor homes
- Solar power systems
- Telecommunication equipments
- Electric powered vehicles

CONTACT THE MANUFACTURER



| THE GROUP |

We started out more than 35 years ago as a manufacturer of automotive batteries in Malaysia for both Japanese and European models of automobiles. Today, GP Autobat, riding on the 'GP' GREATER POWER branding, is recognised as a major supplier of automotive batteries not only in Malaysia but internationally in over 30 countries as well, relying on its commitment to **QUALITY EXCELLENCE** and adhering to its ISO certification obtained in 1993.

| THE COMPANY |

After our successful alleviation to public status in August 2000 and duly listed on the Kuala Lumpur Stock Exchange, the GP Group under its subsidiary, GP Products Sdn Bhd, diversified into the manufacturing and distribution of rechargeable maintenance-free sealed lead acid batteries. Marketed under the "GP" brand, these batteries are widely used as a back-up power source for standby and cyclical applications. These include UPS, alarm & security systems, emergency lighting, power tools & toys, telecommunications and many others.

| OUR POLICY |

We at GP have always recognised that quality is a powerful means of gaining an edge over our competitors, and we will constantly strive towards excellence in creating quality products which meet the discerning needs and expectations of our customers.

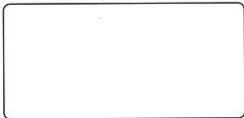
| OTHER PRODUCTS |

Riding on our power storage expertise, we have innovated to include Maintenance-Free Motorcycle batteries using VRLA technology for user ease and leak proof protection.



Motorcycle Maintenance-Free Battery

Authorised Dealer:



GP Products Sdn Bhd (204551-V)
GPA Technologies Sdn Bhd (560511-X)
 (A member of the GPA Holdings Bhd Group)

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