



PT9-B

PT9L-B

PT9B

PTX9

PT10LB

PT12B

PT12A

PT124-4

PT12AL-A

PTX14AH

PTC14AHL

PTY14

PTX14L

PTX16-1

PTX20CH

PTX20

PTX20L

PT14B





Amps*



Max Charging

Output STD MA

15 8

1.3 5

2.5

4 49*2 76*3 3

4.49*2.76*4.1

4.72*2.36*5.1

4 49*2 76*4 1

5.83*2.56*3.62

5.28*2.95*5.24

5.28*2.95*5.24

5.28*2.95*5.24

5.83*3.43*3.70

5.83*3.43*3.70

5.28*2.95*6.30

5.83*2.56*5.12

5.83*3.43*5.71

5.83*3.43*5.7

7.28*3.15*6.69

6.89*3.43*6.10

6.89*3.43*6.10

6.89*3.43*6.10

7.28*3.15*6.69

15 6.89*3.43*6.10

15 6.89*3.43*6.10

18 5.83*3.43*3.70

12 5 28*3 46*5 71

12 5 83*2 56*5 1

12 5 28*2 95*6 30











40





6.5 25

















































Polarity Weight

(lbs) Capacity*

1.21 445-641

1.32

+ 1.21 4Ah-6Ah YTX5L-BS

. + 1.21 AAN-BAN

- + 1.43

+ - 1.87

+ 2.43 7Ah-12A

+ 2.20 7Ah-12Ah

5.83*3.43*3.70 + - 2.43 8Ah-16Ah

5 28*3 46*6 50 + - 2.43 8Ah-16Ah

5.28*3.46*6.50 - + 2.43 8Ah-16Ah

+ - 2.87

2.38 8Ah-16Ah

5.83*3.43*3.70 + - 1.43

5.83*2.56*3.62 + - 1.76

1.32 4Ah-8Ah YT7B-BS

- + 1.87 6Ah-10Ah

+ - 1.87 6Ah-10Ah

+ . 2.25 7Ah-12Ah

- + 2.43 8Ah-16Ah

+ - 3.09 12Ah-18Ah

+ 3.75 16Ah-24Ah

- + 3.53 16Ah-24Ah

- + 4.41 20Ah-30Ah

3.42 16Ah-24Ah

3.53 16Ah-24Ah

4.41 20Ah-30Ah

. + 4.41

- + 5.07

2.09 7Ah-12Ah

- 2.20 7Ah-12Ah

Battery

4Ah-6Ah

4Ah-8Al

44h-84h

6Ah-10Ah

6Ah-10Ah

8Ah-16Ah

12Ah-18Ah

20Ah-30Ah

20Ab-40Ab

Main Replacement Lead battery Part #

12N5-3B 12N5-4B YR5L-B. 12N5 5-3B. 12N5 5-4A YR7B-B

12N7-4A,12N7-4B,YB7-A,12N9-4B-1,YB9A-A,YB9-B

12N7-3B 12N7D-3B YB7L-B 12N9-3B YB9L-A2 YB9L-B

12N10-3B 12N10-3A-2 YB10L-A2 YB10L-B YB10L-B2

YTZ10S.YT12A-BS.YTZ12S.YTX12-BS. YTZ14S.YB12B-B2

YB10A-A2,YTX14AH-BS,YB14-A2,YB14A-A1,YB14A-A2,YB14-B2

YTX14AHL-BS,YB14L-A1,YB14L-A2, YB14L-B2,SYB14L-A2,12N14-3A

YB16L-B,YB16CL-B,YB16HL-A-CX, YB18L-A,YTX20,YTX20L,YTX20L-BS

YB16L-B.YB16CL-B.YB16HL-A-CX. YB18L-A.YTX20L-BS.YTX20HL-BS.YTX20HL-BS-PW

Y50-N18L-A,YB50-N18L-AT,Y50-N18L-A-CX, Y50-N18L-A3,YTX24HL,53030

YIX30L-YIX30L-BS-YB30L-B-YB30CL-B-GYZ32HL-Y60-N24AL-B-Y60-N24L-A- 12N24-3

YIX30L, YIX30L-BS, YB30L-B, YB30CL-B, GYZ32HL, Lead-acid batteries for special Heavy-duty Engine

12N12A-4A-1.YB12A-A.YB12A-B.YB12C-A

YTX16-BS-1,HYB16A-AB, YB16B-A1

VTV14H VTV14H DC VTV16 DC

51814 51913 52113 53030

YB16B-A,YTX20CH,YTX20CH-BS

YB16-B YB16C-B YB16-B-CX YB18-A YTX20-BS

YB16-B,YB16C-B,YB18-A,YTX20-BS,YTX20H-BS, YHD-12H

YTX4L-BS.YTZ5S.YB4L-A.YB4L-B

YTX5L-BS.YTX7L-BS.YTZ7S.YB7C-A

12N7-3B,12N7D-3B

YT7B-BS.YT9B-BS

YTX7A-BS,YTX9-BS

YTZ10S,YT12A-BS

YB12AL-A.YB12AL-A2

YT12B-BS,YT14B-BS

YTX7A-BS

YT12B-BS

YTX14L-BS

51814, 51913

















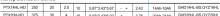
















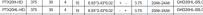
















- CA value is measured by actual discharging at room temperature, (5S@77*F) . Operating environment temperature; 0°F-131°F, if the environment
- temperature is lower than 32°F, the PbEq should be smaller, Including plastic gaskets for dimension adjusting.

Cautions

- . Do not make the battery terminals short circuit or reverse connected,
- . Do not connect the battery with a pocket socket directly.
- . Do not open or damage the battery case, . Do not throw, squeeze, puncture, impact, twist, heat, burn or dismantle the
- . Keep the battery away from children and pets.
- . Do not throw the battery into water or get the battery wet,
- . Do not make the static voltage of the battery lower than 12.8V Do not make the charging voltage of charger and vehicle higher than 15V.
- . Do not series connect or parallel connect the batteries for using . Do not use the battery with the original lead-acid battery or batteries of
- other brands together, . Do not turn on the headlights in the case of flame out for a long time (over
- 5 minutes), to prevent battery damage from over-discharge, Please fully discharge before disposing the battery.

▲ Warning!

- . Please strictly follow the instructions, otherwise, it is likely to make the battery short circuit or cause the output current higher than specified value, then the battery may smoke, fire and even endanger personal
- . Do not try to take apart the battery! Do not touch the battery directly if the electrolyte leaks, as the electrolyte may harm skin & eves. If skin contact occurs, washing skin,

Charging

The new battery can be used directly if the voltage is higher than or equal to 12.8V. Make sure the charging voltage between 14.0V and 15.0V if you want to use fully charged battery. The battery cannot be fully charged if the charging voltage is lower than 14.0V, and the battery can be damaged

if the charging voltage is higher than 15.0V. Please use the special charger (limited voltage 15.0V, with automatic stop-charging function) for lithium iron phosphate battery to charge the lithium ion battery. It's not recommended to use the charger for lead-acid battery because many chargers in the market are not suitable for lithium-ion batteries, Make sure the charging voltage is lower.

PowerTex

Inspection of Pre-installation Remove the old battery from your motorcycle.

Check the voltage of the new battery before installation, charge the battery if the

voltage is lower than 12.8V. Ask the professional to follow these steps to inspect the electrical system of the

vehicle before installation

Step one Check the charging voltage of the vehicle, Connect the electric wires with battery terminals, red wire to positive terminal and black wire to negative terminal, then start the vehicle, Disconnect the black wire with negative terminal during running condition, and connect the positive wire of the voltage tester with red wire of the motorcycle, negative wire with black wire, increase the accelerator to the maximum. then check the maximum voltage displayed on the voltage tester. If the charging voltage is between 14.0V and 15.0V, the battery can be used normally in the vehicle, If the charging voltage is lower than 14,0V, then battery cannot be fully charged, If the charging voltage is higher than 15.0V, the battery can be damaged. Please repair the

charging system of the vehicle. Step two Check the self-discharge of the vehicle, Turn off the main switch of the motorcycle, use a multimeter (milliampere mode) to series connect the output wires of the vehicle, and switch to milliampere direct current mode, then check the current value. If the current value is lower than 2mA, the battery can be used normally in the vehicle, If the current value is higher than 2mA, the battery can be damaged from used

over-discharge for the idle vehicle. Step three Check the starting current of the vehicle, Make sure the connection between the battery and the vehicle is good, use a tong-type ammeter to check the starting current of the vehicles for 5 times. If the starting current is within the CA range, the battery can be used normally in the vehicle, If the starting current is beyond the CA rang the battery can be damaged easily

Step four If the vehicle passed all the above tests, the lithium ion battery can be used normally in the vehicle Use the new battery to compare with the original one, such as new battery size is too small flength. width and height), use with plastic gasket increase

the battery size, so that the new battery can suitable for battery pack In order to save material, please cut the adhesive foam into small pieces, then paste on

the battery to achieve better heal dissipation effect Any questions about installation, pleasure contact the dealer directly.

Usage

- . Verify the specification of the chosen lithium ion battery is correct. . It is better to control per starting time within 5s and each starting time interval above
- 3s. Besides, there should be at least 3 minutes standing time after you consecutively starting the vehicle for 5 times, Because of the performance differences of each vehicle, we suggest you to change a higher capacity lithium ion battery once the
- battery is found powerless. . Try to avoid keeping the vehicle light on for a long time (over 5 minutes) after the engine turned off, otherwise it will cause the vehicle in difficult restarting because of over-discharge,
- . In order to avoid the battery losing power, we suggest you take the battery out of the vehicle for separate storage or disconnect the negative connector from the negative terminal if the vehicle was kept still for more than 7 days.(The vehicle installed with anti-theft device will let the hattery lose nower faster)
- . The performance of the battery may be influenced by the low-temperature environment, For instance, when used under 32°E, it should be preheated for 1-2 minutes by turning on the headlamp, and then the vehicle can be started. In this way, a better starting performance can be achieved and a longer battery service-life will be maintained.

environment for a long time, especially do not expose the vehicle in the sun too long (over a few hours), otherwise the battery's service life will be shortened. The battery needs no special maintenance until dead if the vehicle with good power supply system Storage

. The vehicle which used our product should avoid using or storing in hot-temperature

The battery will be damaged at high temperature or humid environment for long time storage. It should be stored in dry and ventilated environment, and the storage temperature should be lower than 77°F. the suitable warehouse temperature is 32°F-77

*F. This can help to maximize the battery's storage life, If the ambient temperature for long-term storage (> 30days) is higher than 104°F, it may certainly shorten the battery storage life; if higher than 131%, the battery may be damaged (Meanwhile the battery will not be under the warranty)

If the battery is stored for a long time (over 50 days), the storage capacity should be

The refe

The reference values of the static voltage are as follows:											
Residual Capacity(10%)	100%	90%	80%	70%	60%	50%	40%	30%	20%	10%	0%
Static	13.4	13.36	13.32	13.23	13.15	13.10	13.05	12.98	12.90	12.78	9.20

Transportation

- . Please make sure the battery packed intact before shipping. . The battery should be handled with care when loading and unloading during transportation, . Do not throw the batteries and avoid squeezing the package,
- . Then battery should be prevented from vibration and collision during transportation . Do not transport the batteries together with flammable, explosive objects, or sharp
- . Any items damaged in transit, should be reported to the shipper and the dealer immediately, All original packages must be retained until further notice,

Warranty

The new battery under regular use comes with a 2-year limited warranty, except in the

- . The package is damaged after purchasing, or the stickers on the battery have been tore.
- . The battery is damaged by over-voltage or over-current charging. . The battery is damaged by over-charging or over-current discharging,
- . The battery is damaged by improper operations, such as external short circuit, impacting falling or soaking
- . The battery is damaged in any natural disasters or man-made disasters such as earthquake, rainstorm, fire, traffic accident, etc.
- . The battery is damaged because of the vehicle's problem, The battery is for other purposes (not for starting the motorcycle), PowerTex batteries will not be responsible for any trouble caused by operations beyond this specification.





Product manual