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WorldPower[®]

PRODUCT CATALOG

Golf Cart Battery



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ABOUT US

Shenzhen World New Power Co., Ltd., established in 2009, specializing in the design, development and manufacturing of stable quality lithium ion battery module solutions including Canbus software design and development for worldwide customers.

By continuous research and development and investment for more and more reliable and intelligent Battery Management System, World Power has won nearly 50 patents and certificates, and has been awarded by the government as National High Tech Enterprise. and China's Top 10 lithium ion battery brands for Light Electrical Vehicle and ESS applications. Operates in strict accordance with modern management standards, World Power plant has passed ISO9001, ISO14001, ISO45001 system certification, and initially introduced the MES system.

Depends on its strong R&D and design capabilities, a strict quality control system and professional service capabilities, the company has successfully entered the supply chain system of well-known manufacturers such as ZTE, Joyoung, Honda, SF Logistics, Ocean King, Yuwell Medical, Biolight, Shanchao(supermarket) ,TOMOLLO, Easybike, Swytch bike, INMOTION, and other well-known manufacturers.



COMPANY STRENGTH

R&D Team

WorldPower has a professional R&D team of 57 person and established two R&D center in Shenzhen and Changsha. We currently have nearly 50 related national invention patents, utility model patents, software copyrights, appearance patents, etc.



Quality Control

WorldPower has an intelligent production workshop and operates strictly in accordance with modern enterprise management standards. Our factory has passed ISO 9001, ISO 14001, and ISO 45001 system certifications and Our products have passed multiple international quality certifications such as VDE, FCC, PSEKC, UL, CE, UN38.3, and ROHS.



COMPANY AWARDS



“Little Giant” Firm



CTP



A-level Enterprise of Credit.



Gold Award

CERTIFICATE




























We has gained management certifications of: **ISO9001 Quality Management System**、**ISO14001 Environment Management System**、**ISO45001 Occupational Health and Safety Management** And products are certificated with **VDE, FCC, PSE, KC, UL, CE, UN38.3** etc. We have authorized more than 50 patents: **National invention patents**、**Utility model patents**、**Software copyrights**、**Appearance patents**.

ADVANTAGES

	WorldPower Golf Cart Lithium Battery (51V / 105Ah)	Lead Acid (48V / 175Ah)
Cycle Life	>3500 times	<500 times
Design Life	15 years	1 years
Maintain	Maintenance-Free	Daily water refilling, maintenance and inspection
Charge Time	Fast charging 1 hour, Standard 5 hours	12 hours
Charge Frequency	No memory function, can be charged anytime	Need to be charged after use
Weight	42.95.2lbs(43.2Kg)/Golf Cart	397lbs(180Kg)/Golf Cart
Security	Multiple protection	Internal gas may cause an explosion
Environment	Non-pollution	Lead is a hazardous material
Cost Effectiveness	High revenue, Low labor maintenance costs	Low revenue, high labor maintenance costs

COMPARISON

	 ATTERY COST	 MAINTENANCE-FEE	 LOSS	 INSTALLATION	 TRANSPORTATION
		N/A	N/A		
Lithium Battery	N/A	N/A	N/A	N/A	N/A
					
Lead-acid Battery					
					



World Power Golf Power Systems

WorldPower GC series is a lithium battery power system built into the golf cart. This series is designed to replace lead-acid batteries because of the short cycle life, labor-intensive maintenance and long charging time of lead-acid batteries on the market. This battery is compatible with Club Car and EZ-GO models.

WP-GC38105

GC Series 38V/105Ah LiFePO4 Battery

This series of lithium batteries have the advantages of light weight, fast charging, long life, maintenance-free and money saving, and can be remotely manipulated and maintained. It also includes a high performance lithium battery management system and accurate SOC display.



Main Specification	
Montserrat	38V
Nominal Capacity	105Ah
Energy	4.03kWh
Cycle Life	>3500 times
Self-discharge	No more than 3% Per month
Driving Distance	72-80 Km / Full Power
Maximum Charging Current	105A
Maximum Discharge Current	200A
Fast Charging Time	1.0 h
Standard Charging Time	5.0 h
Operating Temperature under Charging Condition	0°C-55°C
Operating Temperature under Discharge Condition	-20°C-55°C
Storage Temperature	-20°C-45°C(1 Month) 0°C-35°C(1 Year)
Basic Specification	
Number of Series and Parallel	12S1P
Cell Specification	LF105(3.2V 105Ah)
Shell Material	Cold Rolled Steel
Weight	35 Kg
Dimensions (L x W x H)	36.3x33.8x23.2cm
IP Waterproof	IP67

WP-GC5156

GC Series 51V/56Ah LiFePO4 Battery

This series of lithium batteries have the advantages of light weight, fast charging, long life, maintenance-free and money saving, and can be remotely manipulated and maintained. It also includes a high performance lithium battery management system and accurate SOC display.



Main Specification	
Montserrat	51V
Nominal Capacity	56Ah
Energy	2.8kWh
Cycle Life	>3500 times
Self-discharge	No more than 3% Per month
Driving Distance	55-65 Km / Full Power
Maximum Charging Current	56A
Maximum Discharge Current	200A
Fast Charging Time	1.0 h
Standard Charging Time	2.5 h
Operating Temperature under Charging Condition	0°C-55°C
Operating Temperature under Discharge Condition	-20°C-55°C
Storage Temperature	-20°C-45°C(1 Month) 0°C-35°C(1 Year)
Basic Specification	
Number of Series and Parallel	16S1P
Cell Specification	LF56(3.2V 56Ah)
Shell Material	Cold Rolled Steel
Weight	33.1 kg
Dimensions (L x W x H)	46x33.4x23.2cm
IP Waterproof	IP67

WP-GC51105

GC Series 51V/105Ah LiFePO4 Battery

This series of lithium batteries have the advantages of light weight, fast charging, long life, maintenance-free and money saving, and can be remotely manipulated and maintained. It also includes high performance lithium battery management system and accurate SOC display.



Main Specification	
Montserrat	51V
Nominal Capacity	105Ah
Energy	5.3kWh
Cycle Life	>3500 times
Self-discharge	No more than 3% Per month
Driving Distance	105-120 Km / Full Power
Maximum Charging Current	105A
Maximum Discharge Current	200A
Fast Charging Time	1.0 h
Standard Charging Time	5.0 h
Operating Temperature under Charging Condition	0°C-55°C
Operating Temperature under Discharge Condition	-20°C-55°C
Storage Temperature	-20°C-45°C(1 Month) 0°C-35°C(1 Year)
Basic Specification	
Number of Series and Parallel	16S1P
Cell Specification	LF105(3.2V 105Ah)
Shell Material	Cold Rolled Steel
Weight	43.2 kg
Dimensions (L x W x H)	46x33.4x23.2cm
IP Waterproof	IP67

WP-GC51160

GC Series 51V/160Ah LiFePO4 Battery

This series of lithium batteries have the advantages of light weight, fast charging, long life, maintenance-free and money saving, and can be remotely manipulated and maintained. It also includes high performance lithium battery management system and accurate SOC display.



Main Specification	
Montserrat	51V
Nominal Capacity	160Ah
Energy	8.2kWh
Cycle Life	>3500 times
Self-discharge	No more than 3% Per month
Driving Distance	152-160 Km / Full Power
Maximum Charging Current	160A
Maximum Discharge Current	200A
Fast Charging Time	1.0 h
Standard Charging Time	5.0 h
Operating Temperature under Charging Condition	0°C-55°C
Operating Temperature under Discharge Condition	-20°C-55°C
Storage Temperature	-20°C-45°C(1 Month) 0°C-35°C(1 Year)
Basic Specification	
Number of Series and Parallel	16S2P
Cell Specification	LF80(3.2V 80Ah)
Shell Material	Cold Rolled Steel
Weight	72 kg
Dimensions (L x W x H)	80x31.8x21.2cm
IP Waterproof	IP67