

TS5000 (LiFePO₄ 51.2V 100Ah, 5120.0Wh)

- Safety in use
- Low self discharge rate
- Good high temperature performance
- High Cycle times and long service life
- High energy density and conversion efficiency
- Environmental Friendly, without any heavy metals
- Easy installation, easy maintenance, easy replacement on all systems.



Item	Specification
Model	TS5000
Rated Capacity	100Ah
Nominal Voltage	51.2V
Max Charge Voltage	58.4V
Discharge Cut Off Voltage	40.0V
Charge Current	50.0A
Max. Continuous Discharging Current	100.0A
Communication Protocol	RS485, RS232 & CAN
Weight	Approx. 45kg (Weight to prevail in kind)
Terminal	Screw Terminal /Copper terminal /Custom
PCB Protection	Over-Charge, Over-Discharge, Over-Current and Short Circuit
Dimension (mm)	170*400*480mm 4U
Outer Package Material	Black 4U Iron Case
Operating Temperature	Charging: 0~45°C Discharging: -20~60°C Storage: 0~45°C
Cycles	3000 cycles @100% D.o.D, remaining 80% Capacity
Design Lifespan	15~20 years
Warranty	2 Years, can be extended

Product Design

PCB



LiFePO₄ Cell Package



LiFePO₄ in Box

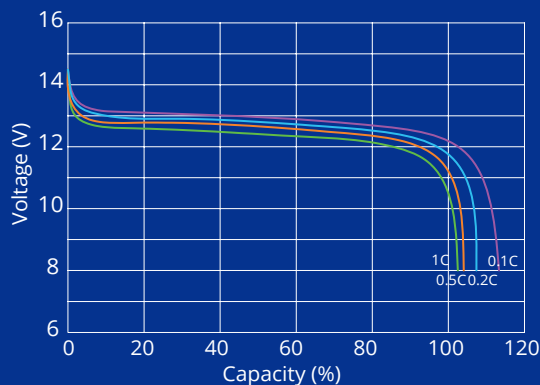


SHEN ZHEN TAICO TECHNOLOGY CO., LTD

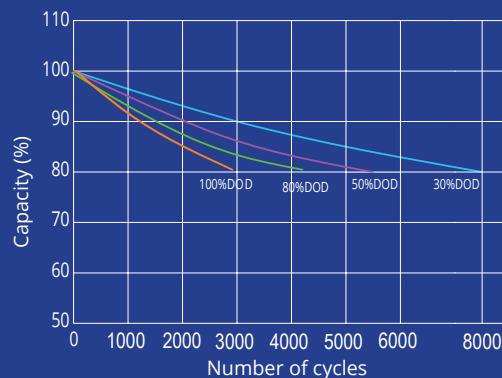
- Add: Building 12, Feicui Street, Xuzheng County, Zhangmutou Town, Dongguan city, China 523000
- Tel: 86-755-29822748 Fax: 86-755-29822462
- Mobile: 86-199 2540 5575
- E-mail: info@taicopower.com
- Website: www.taicopower.com

Lithium iron Phosphate (LiFePO₄) Battery

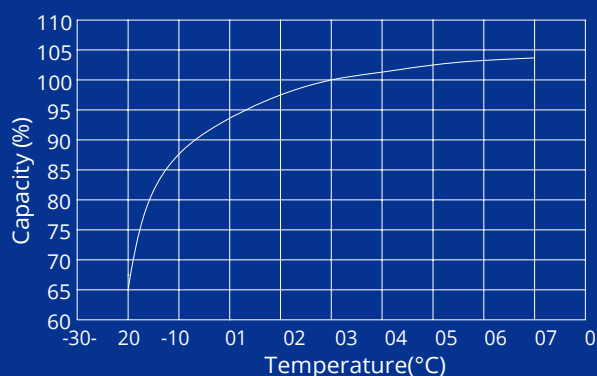
Discharge Time VS. Discharge Current (25°C)



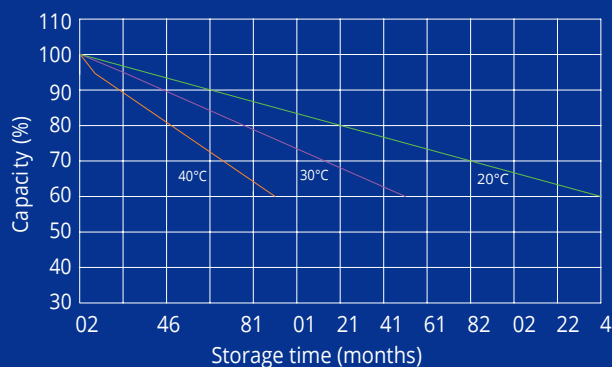
Cycle Service Life



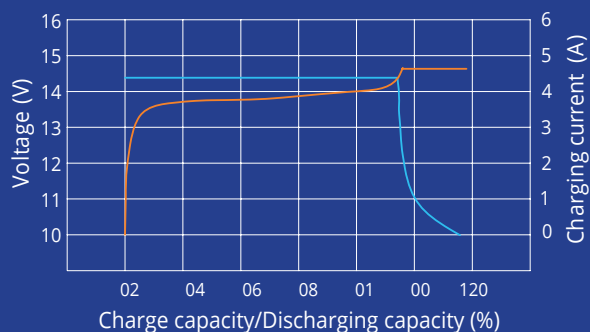
Temperature effects on capacity



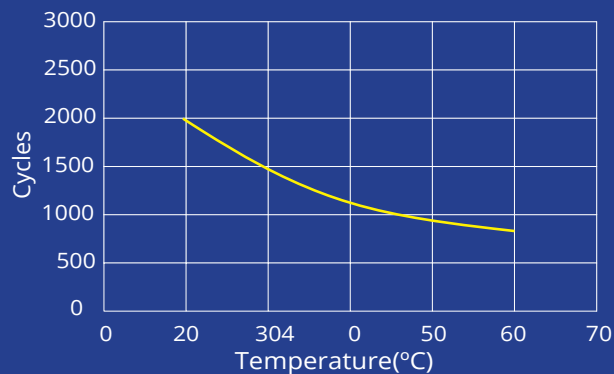
Self-discharge characteristic



Battery charging characteristics



Cycle life in relation to temperature



SHEN ZHEN TAICO TECHNOLOGY CO., LTD

- Add: Building 12, Feicui Street, Xuzheng County, Zhangmutou Town, Dongguan city, China 523000
- Tel: 86-755-29822748 Fax: 86-755-29822462
- Mobile: 86-199 2540 5575
- E-mail: info@taicopower.com
- Website: www.taicopower.com

* Specifications subject to change without notice.