

INNOVATING THE FUTURE



■ E-Golf Product Brochure

E-Golf Cart Battery Introduction

E-golf lithium iron phosphate (LFP) battery module is specially designed for golf cart by Sunplus. This battery module adopts an Steel shell which can be used 24/7. It has outstanding advantages of being waterproof, impact resistance, good insulation performance, easy installation and maintenance-free. Battery module integrates intelligent BMS, which offers great advantages in terms of safety, cycle life, balancing and smart control.



Compact Design

Smaller size & Lighter weight can save more space compared with VRLA battery.



Smart Balancing

Built-in balance circuit will auto trigger while reaches to set conditions, that will greatly improve the consistency of the battery and extend your lifespan.



High IP Rating

Ip65 or IP67 design meets most application scenarios.



Minimal installation

Specially designed mounting brackets allow for simple installation without the need for specialized tools or equipment. Multiple batteries can also be securely fastened together, to flexibly expand the capacity of your mobile power system.



Maintenance-free

Quality cells ensure more than 6000 cycles (0.5C, 80%DOD@25°C), maintenance-free during the whole lifetime, and a wide operating temperature range.



Intelligent BMS

The battery management system (BMS) provides short circuit, over-voltage, low-voltage, over-temp, low-temp protection.

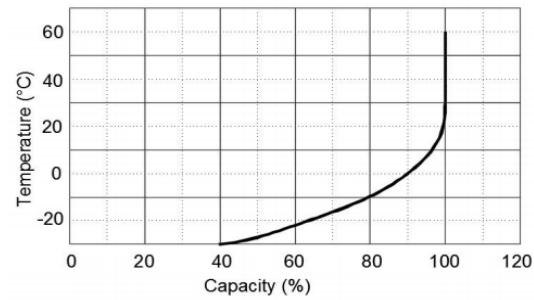
E-Golf Cart Battery SPEG38.4V105AH



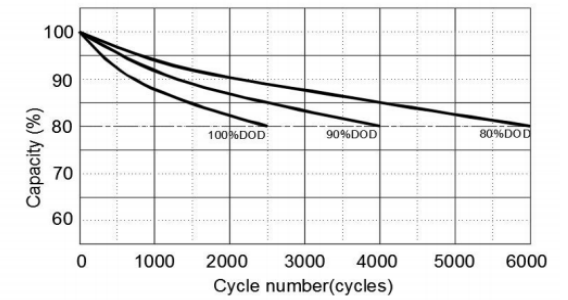
Basic Parameter	
Rated Voltage (V)	38.4
Rated Capacity (Ah)	105
Rated Energy (Wh)	3840
Operation Parameter	
Voltage Range (V)	33.6 - 42
Cut-off Voltage (V)	43.8
Recommend Charge Current (A)	≤30
Max Constant Charge Current (A)	100
Max Discharge Current (A)	100A(Constant) / 200A(Pulse:10S)
Physical Parameter	
Dimension: W*D*H	385×338×245(mm)
Weight	About 34(Kg)
Display Method	Bluetooth or SOC meter
Service Life	
Cycle Life (Time)	> 6000 (0.5C@25°C, 80%DOD)
Design Life (Year)	15
Environment Parameter	
Humidity (%)	5 - 95% RH
Charge Temperature Range	- 20~ 45°C / -4~ 113 °F (Heating)
Discharge Temperature Range	- 20~ 55 °C / -4~ 131 °F
Storage Temperature Range	- 20~ 45 °C / -4~ 113 °F
Certification	
Safety & Certification	CE,UL1973
Transportation	MSDS UN38.3

Battery module performance Curve

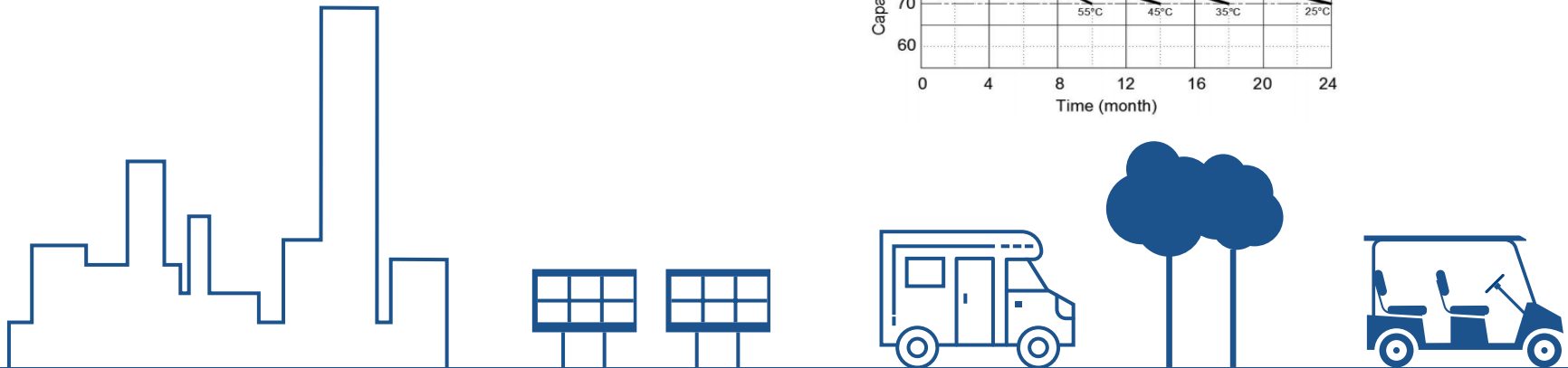
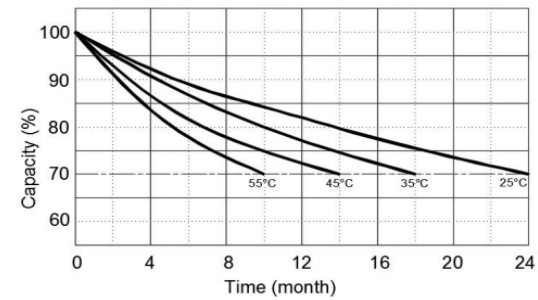
Discharge capacity with different temperature @ 0.5C



Cycle life with DOD @ 0.5C, 25°C



Self-discharge @ different temperature



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