

TL-25-2000

PORTABLE ENERGY STORAGE BATTERY



INTRODUCTION

TL-25-2000 adopts portable design, light weight and easy to carry. It supports AC power standards in China, the United States, and most European countries. With a rated AC output of 2000W and a built-in inverter, it enables plug-and-play operation.

Equipped with a DC29.6V-3552Wh lithium iron phosphate (LiFePO_4) battery pack, this portable energy storage system is suitable for home emergency power, outdoor activities, disaster relief, and field operations.



TL-25-2000

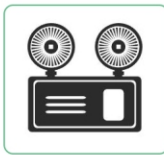
APPLICATION



Household
Emergency



Camping Power



Emergency Power



Vehicle Power
Supply

VALUE



More Usable Energy

90% Depth of Discharge



Easy to Installation

Standard design
Easy to move and carry



Smart BMS System

Each module is equipped
with an independent BMS system



Longer Lifetime

6000 cycles, 10 years design life



Safe & Reliable

Safe lithium iron phosphate battery



Modular design

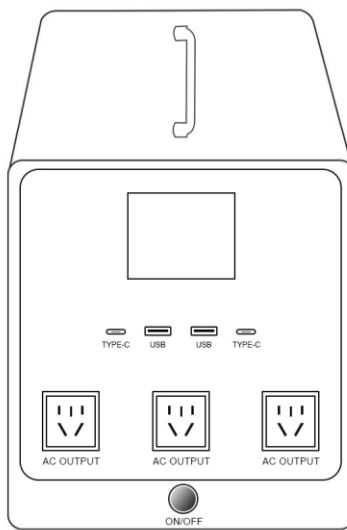
Small size and light weight

ELECTRIAL CHARACTERISTICS

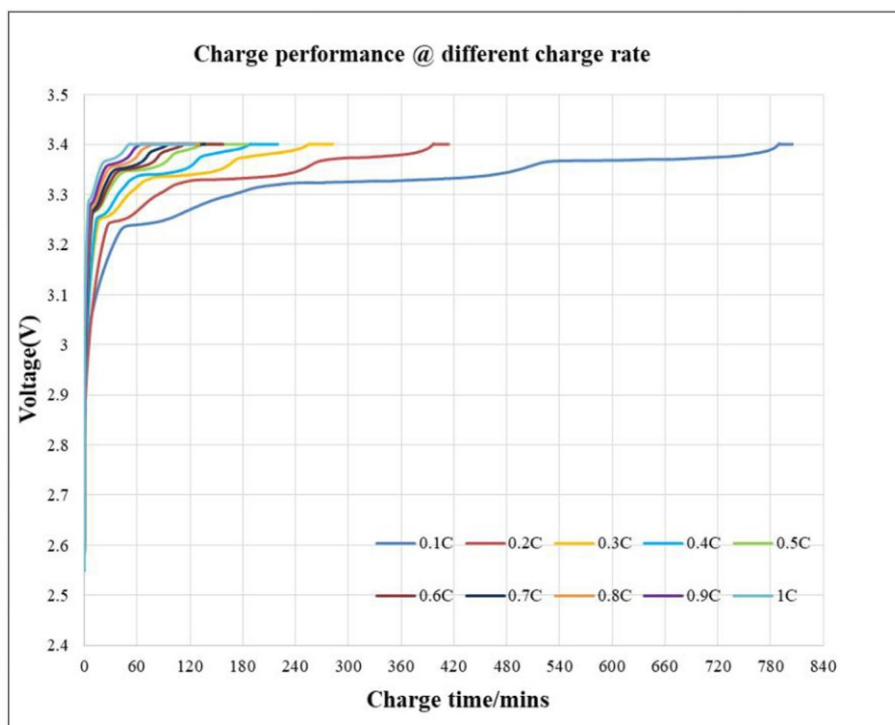
Project		Description
Basic Parameter	Model	2000W, Pure Sine Wave, 100Ah
	Rated Capacity	3.2V-960,000mAh, DC29.6V-3552Wh
	Output Voltage (China Standard)	AC220V
	Output Voltage (US Standard)	AC110V
	Output Voltage (EU Standard)	AC230V
	Output Frequency	60Hz/100V-120V
	Output Frequency	50Hz/200V-240V
	Rated Power	Resistive Load ≤2000W; Inductive Load ≤1500W
	Battery Protection Voltage	Alarm at ≤19.5V; Shutoff at ≤18.5V
	USB Output	5V/9V/12V/2A×3 (Fast Charge)
	Type-C Output	PD60W×1 (Super Fast Charge)
	DC Output	DC12V/10A×2
	Display	Color LCD (AC Voltage, AC Frequency, DC Voltage, % Battery, Temperature)
	220V Charging Current	DC29.2V/10A (GX16 3-Pin Aviation Plug Charger)
	XT60 Output Port	DC29.2V/30A
	Solar Charging Current	≥2A≤40A (Built-in MPPT Controller)
	Product Dimensions	410×232×230mm
	Net Weight	24kg
	Gross Weight	26kg
	Packaging	1PCS/CTN
	Outer Box Dimensions	540×380×365mm
	Battery Technology	LiFePO4 Cell
	Applications	Phones, Lights, Laptops, Drones, Car Fridges, Fans, TVs, Induction Cookers, Household Appliances, etc.

MECHANICAL CHARACTERISTICS

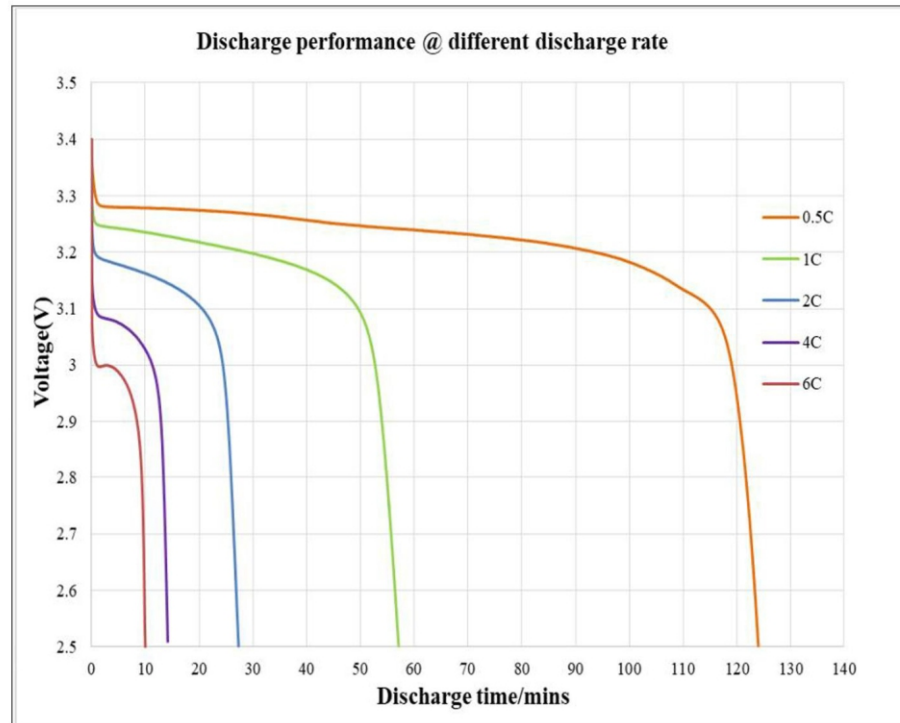
		Battery	Package
Dimensions	Length	410mm	540mm
	Width	232mm	380mm
	Height	230mm	365mm
Weight		24kg	26kg
Color	Silver Gray		



CHARGING CURVES UNDER DIFFERENT CHARGING RATES



DISCHARGE CURVE UNDER DIFFERENT DISCHARGE RATES



CYCLE LIFE CURVES AT DIFFERENT TEMPERATURES AND DOD CONDITIONS

