Camel Energy

Multipurpose Battery Product Brochure

Camel Energy Technology Co., Ltd., as a subsidiary of Camel Group Co., Ltd. (SH 601311), is a high-tech enterprise engaged in energy storage system in China. The Company takes the lead in grid energy storage, industrial and commercial energy storage, household energy storage, portable power-supply energy storage, and integrated energy solutions services. Committed to the ambition of zero-carbon clean energy systems, the company complies with the vision of "Be the world's leading clean energy service provider".

Camel Energy Technology embraces a wide range of core patents related to the energy storage cells, battery modules, battery management systems (BMS), power conversion systems (PCS), energy management systems (EMS), energy storage fire-fighting systems, energy storage cloud monitoring platforms, etc. The company also claims considerable strength in R&D, production, and application in the energy storage industrial chain. Camel's products are applied to various scenarios such as power auxiliary services, renewable energy power plants, industrial users, large and medium-sized communities, industrial and commercial buildings, green energy storage houses, portable energy sources, border islands, data centers, and comprehensive parks, etc.

Camel Energy Technology undertakes the missions of "Providing green power, developing a circular economy, and satisfying the people's desires for a better life". Through co-operating with universities and science & technology research institutions. Camel Energy aims to scale-up cutting-edge research results into industrial applications and connect technology with low-carbon life. In compliance with the mission "Be the world's leading clean energy service provider" and to provide safer, more efficient, and environmentally friendly clean energy products. Camel Energy is deeply involved in promoting technology research and product innovation. Camel will keep up steady progress together with its clients to deliver the most honorable customer service so as to build a solid framework for a low carbon world.

Overview

Multipurpose series lithium iron phosphate (LFP) battery modules are specially designed for multi applications by Camel. These battery modules adopt an ABS shell which can be used 24/7. They have outstanding advantages of beingwaterproof, Bluetooth capabilities, heating features, impact resistance, good insulation performance, easy installationand maintenance-free. They can meet the application of Rvs, solar lights, small medical equipment, toys and some smaloff-grid energy storage scenarios. Battery modules integrate intelligent BMS inside which offers great advantagesin terms of safety, cycle life, balancing and smart control.

Compact Design

Smaller size & Lighter weight can save more space compared with raditional lead-acid battery.

Smart Balancing

Built-in balance circuit will auto trigger while reaches to set conditions, that will greatlyimprove the consistency of the battery andextend your lifespan.

Bluetooch

Monitoring the battery operation status (Voltage, Current, Temperature, SOC etc.) in real time with the built-in Bluetooth module on mobile devices.

High IP Rating

Ip65 design meets mostapplication scenarios.

Heating Features

When the ambienttemperatureis between -20~0°Cand an external power input exists the heating featurewill automatically triggered to ensure that the batterycan be chargednormally(0~45°C).

Intelligent BMS

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

Contact: Camel@chinacamel.com

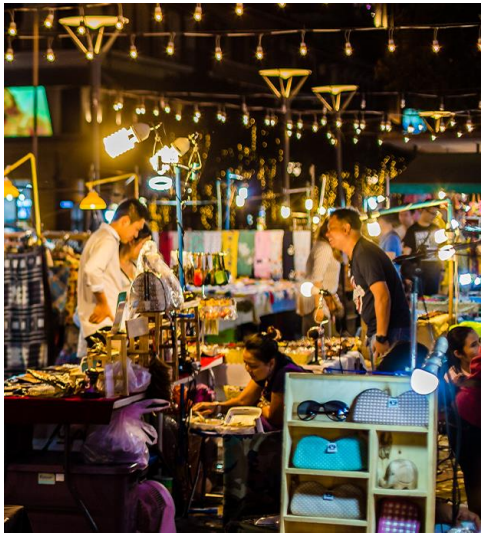
Scope Of Application - Easy Response

Use Scenarios To Make Life Easier

Electric Power For RV

Outdoor Power Supply

Automobile charging



Outdoor Stall

Outdoor Picnic

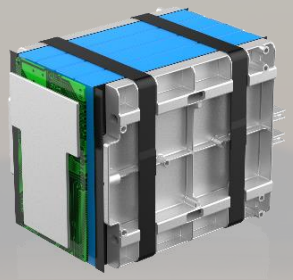
Parking Air Conditioner

Camel UT-Series
Replacement Lithium Battery

Key Features:

High IP Rating

Class A Automotive Cell



Intelligent BMS

Series or Parallel

UT-1344A/B
Replacement Lithium Battery

Model	UT-1344A	UT-1344B	/
Voltage	12.8V		25℃,0.2C
Capacity	105Ah		
Module Weight	11.5kg	11kg	±0.3kg
Dimensions(W*D*H), mm	330*172*214, M8	260*169*215, M8	±2mm
Charging Cut-off Voltage	14.0V~14.4V		
Discharging Cut-off Voltage	9.6V		
Charging Current	Max constant charge: 105A		Recommended 50A
Discharging Current	Max constant discharge: 150A		
Charge Range	0℃~50℃		
Discharge Range	-20℃~55℃		
Storage Range	-20℃~55℃		
Built-in BMS	Voltage/current/temperature management & cell balance		Bluetooth connection
Low Temperature Charging Heating	≤ 0 ℃： start heating		Optional
	> 5 ℃： stop heating		
Cycle Life	>3000 times, 0.5C, 80%DOD		25℃
Water Resistant	IP65		
Certification	UL1973, UN38.3		

UT-2688A/B
Replacement Lithium Battery

Model	UT-2688A	UT-2688B	/
Voltage	12.8V	25.6V	25℃,0.2C
Capacity	210Ah	105Ah	
Module Weight	24kg	24.5kg	±0.3kg
Dimensions(W*D*H), mm	345*180*245, M8		±2mm
Charging Cut-off Voltage	14.0V~14.4V	28.0V~29.2V	
Discharging Cut-off Voltage	9.6V	20V	
Charging Current	Max constant charge: 150A	Max constant charge: 105A	Recommended 50A
Discharging Current	Max constant discharge: 200A	Max constant discharge: 150A	
Charge Range	0℃~50℃		
Discharge Range	-20℃~55℃		
Storage Range	-20℃~55℃		
Built-in BMS	Voltage/current/temperature management & cell balance		Bluetooth connection
Low Temperature Charging Heating	≤ 0 ℃： start heating		Optional
	> 5 ℃： stop heating		
Cycle Life	>3000 times, 0.5C, 80%DOD		25℃
Water Resistant	IP65		
Certification	UL1973, UN38.3		

UT-5376A/B/C
Replacement Lithium Battery

Model	UT-5376A	UT-5376B	UT-5376C	/
Voltage	12.8V	25.6V	51.2V	25℃,0.2C
Capacity	420Ah	210Ah	105Ah	
Module Weight	40kg			±0.3kg
Dimensions(W*D*H), mm	640*245*220, M8			±2mm
Charging Cut-off Voltage	14.0V~14.4V	28.0V~29.2V	56.0V~58.4V	
Discharging Cut-off Voltage	9.6V	20V	40V	
Charging Current	Max constant charge: 150A	Max constant charge: 150A	Max constant charge: 105A	
Discharging Current	Max constant discharge: 200A	Max constant discharge: 200A	Max constant discharge: 150A	
Charge Range	0℃~50℃			
Discharge Range	-20℃~55℃			
Storage Range	-20℃~55℃			
Built-in BMS	Voltage/current/temperature management & cell balance			Bluetooth connection
Low Temperature Charging Heating	≤ 0 ℃： start heating			Optional
	> 5 ℃： stop heating			
Cycle Life	>3000 times, 0.5C, 80%DOD			25℃
Water Resistant	IP65			
Certification	UL1973, UN38.3			

Global Service Network

Camel Energy Technology focuses on the development of globalization, follows the pace of the development of science and technology, deploys the global lithium battery energy storage market, and is committed to becoming the world's leading supplier of clean energy system solutions. Camel energy storage products are exported to North America, Europe, Australia, Southeast Asia and other countries and regions.

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