

# THINKCAR Portable Car Battery Charger

SMALL SIZE, SAFE AND CONVENIENT, HIGH CONVERSION RATE,  
STABLE OUTPUT CURRENT, LARGE DESIGN CAPACITY,  
LONG TIME FULL LOAD OPERATION



**NEW  
ARRIVAL  
2024**

THINKCAR PPS 10



THINKCAR PPS 30



THINKCAR PPS 100

# THINKCAR Portable Car Battery Charger

THINKCAR Portable Car Battery Charger PPS 10, PPS 30, and PPS 100 are specifically designed and manufactured for lead-acid batteries and lithium iron phosphate batteries. These products utilize intelligent microcomputer processing chips, combined with self-developed software technology, and operate throughout using advanced PWM (Pulse Width Modulation) technology. Their advantages include compact size, safe and convenient operation, high conversion efficiency, stable output current, large design capacity, and the ability to operate at full load for extended periods. They are widely used in automotive repair shops, car 4S stores, home garages, and other places, making them one of the essential pieces of equipment to ensure the normal use of vehicles.



## Product Features

- **Intelligent Chip** - Six major protections for enhanced safety: reverse polarity protection, under-voltage protection, over-current protection, short-circuit protection, over-voltage protection, and overheating protection.
- **Pulse Repair Technology**: Effectively activates and repairs batteries with sulfation, long periods of inactivity, under-voltage, and those that are not charging properly, ensuring efficient battery repair and long-term use.
- **PPS 10 Seven-Stage Charging, PPS 30 and PPS 100 Eight-Stage Charging**: Gentle and continuous battery repair without damaging the battery.
- **Power Supply Mode**: Provides a stable voltage power supply with an adjustable voltage range of 12 to 14.9V.
- **Alternator Test**: Detects voltage changes in the battery to confirm whether the car's internal alternator and DC charger are functioning properly.
- **Pure Copper Tin-plated Core Wire**: Low resistance, high conversion rate, corrosion-resistant, and anti-oxidative, extending the service life of weak current cables.
- **Anti-oxidation Metal Housing**: High hardness, corrosion-resistant, and capable of withstanding extreme temperatures.
- **Dual-fan Large Lattice Air Intake Design**: Rapid noise reduction and cooling, effectively reducing operating temperature.
- **Reinforced Alligator Clips with Insulated Handles**: Do not deform at high temperatures, universally applicable for batteries.
- **Pure Copper Motor Core and High-frequency Pure Copper Transformer**: Powerful, fast charging, safe and convenient with a high conversion rate, durable for a long service life, ensuring the use of genuine materials.

## Product Features

- **Professional Charging for Large Capacity Batteries**: 6/12/24V - 8 to 1000Ah.
- **Battery Types**: Flooded lead-acid, AGM, GEL, maintenance-free calcium, and lithium iron phosphate batteries.
- **Suitable for 12V/24V Motorcycles, Cars, Trucks, Forklifts, Vessels, and other vehicle batteries.**

## Specifications

Product Model	PPS 10	PPS 30	PPS 100
Application Type	6V/12V Lead-Acid Batteries and Lithium Iron Phosphate Batteries	12V/24V Lead-Acid Batteries and Lithium Iron Phosphate Batteries	12V Lead-Acid Batteries and Lithium Iron Phosphate Batteries
Input Voltage(V)	220-240	220-240	220-240
Output Current(A)	2/5/10	5/10/20/30	5/10/30/60/100
Maximum Output Power (W)	150	900	1500
Display Screen	Digital Tube	LCD Screen	LCD Screen
Applicable Battery Capacity (Ah)	8-100	30-360	40-1000
Operating Temperature	For indoor use, -20°C to 40°C	For indoor use, -20°C to 40°C	For indoor use, -20°C to 40°C
Power Cord Length(m)	1.5	1.5	1.5
Clamp Cable Length(m)	0.5	1.5	1.8
Product Dimensions(cm)	23.5*10.5*8.5	24.5*19.5*85	40*23*10
Product Weight(kgs)	1.6	2.5	6
Certifications	CE	CE	CE