

## Intelligent Vehicle Engine Starter

Intelligent Vehicle Engine Starter (IVES) has an excellent the ability of engine starting for people traveling by car. IVES is to solve the problem that the car cannot start due to battery power loss, battery aging, cold weather or other conditions. IVES adopts supercapacitor technology and has its unique features of maintenance-free and pre-charging free, no explosion and no fire (lithium batteries may explode and catch fire), and can reliably start the car in extremely cold weather (-40°C). IVES has two applications: one is to install it in the car and start the car engine online; the other is to start car as a car jump starter, when there is a problem with the car starting. IVES makes engine smoother, more reliable and more powerful. It is a product that can assure user "your engine can start anytime, anywhere".



### Three major functions

- Engine start - Start vehicle engine.
- Emergency start - Perform emergency start when vehicle engine fails to start.
- IoT monitoring & warning – Monitor the status of battery, early warning when vehicle battery begins to fail.

### Two applications



### Features

- Excellent starting capability based on supercapacitor technology.
- Extend the life of car battery.
- Ultra-low temperature start (cold crank start at -40°C).
- Safe to use, battery-less operation.
- Maintenance free.
- Long service life (over 10 years).
- Intelligent device with the ability to predict the useful life of the car battery.

### Specifications

Maximum starting voltage	15.0V(IVES); 13.0V(Jump starter)
Rated starting voltage	12.0V
Minimum working voltage	5.0V
Maximum starting current	600-800A
Charging time	Quick charging: less than 2 mins Low charging: less than 5 mins
Working/storage temperature	-40°C~ +65°C
Dimension	L252mm*W120mm*H51mm
Weight	1.18kg
Protection level	IP67
Application	For gas car, no more than 2.0L