



**iPOWER**

LET'S CHARGE UP

# **Solution for Professional Charging Equipment**



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## 20kW DC Portable EV Charger

20kW portable EV charger with tie rods and four wheels, easy to be put into car trunk and carry it for charging anywhere, suitable for private car owner use.



Specification	Model	iESET450-40B	
AC Norminal Input	Phase/Lines	single phase (L + neutral + PE)	3 phase+neutral+PE
	Voltage	175-290V	300-500V
	Frequency	50Hz / 60Hz (±10%)	
DC Nominal Output	Voltage	50-500VDC/ 200-1000VDC	50-500VDC/ 200-1000VDC
	Current	40A /20A	40A / 20A
	Power	20kW	
Electrical Parameter	Power Factor	≥0.99	
	Unequal Current Ratio	≤ 5%	
	Stable voltage accuracy	≤±0.5%	
	Stable Current Accuracy	≤±1%	
	Efficiency	≥95% (50%-100% load)	
	Soft Start Time	3-8s	
	Auxiliary Power	12V	
Structure Design	Installation Method	portable	
	Charging Outlet	CCS1\CCS2\CHAdeMO\GB/T (for choose)	
	Cable Length	2.5 m (standard)	
	LED Indicator	3 indicators	
	LCD screen	10 inch Daylight readable touchscreen	
	Emergency Stop Button	Yes	
	Startup Mode	Plug-and-play	
Communication	EN-GATE v.s.Charger	CAN 2.0 (CHAdeMO, GB/T) PLC (CCS)	
Environmental Index	Operation Temperature	-20 °C ~ 60°C	
	Working Humidity	5%-95% without condenstation	
	Working Altitude	<2000m	
	Protection Grade	IP31	
	Application Site	Indoor/Outdoor	
	Cooling Method	Fan cooling	
Security Protection	Multiple Protection	Over/Under voltage protection,overload protection, short circuit protecton,over/under temperature protection,Surge protection ,Communication failure	
	MTBF	100,000 hours	
Package Information	Production Dimension	65*45*26cm	
	Package Dimension	75*63*50cm	
	Delivery weight	100kg	
	External Packing	Wooden case and carton	

## 10kW DC Portable EV Charger

10kW portable EV charger with light weight & hanger, small size to be put into car trunk, easy to carry it for charging anywhere, suitable for private car owner use.

- Small size and easy to take to anywhere.
- Easy to swap CHAdeMO. CCS. GB/T charging connector.
- Portable EV charger can get power from public piles on the roadside.
- It can support single phase grid power or 3 phase grid power.



Specification	Items	iESET450-20B	
AC Norminal Input	Phase/Lines	single phase (L + neutral + PE)	3 phase+neutral+PE
	Voltage	175-290V	300-500V
	Frequency	50Hz / 60Hz (±10%)	
DC Nominal Output	Voltage	50-500VDC/ 200-1000VDC	50-500VDC/ 200-1000VDC
	Current	20A /10A	20A / 10A
	Power	10kW	
Electrical Parameter	Power Factor	≥0.99	
	Unequal Current Ratio	≤ 5%	
	Stable voltage accuracy	≤±0.5%	
	Stable Current Accuracy	≤±1%	
	Efficiency	≥95% (50%-100% load)	
	Soft Start Time	3-8s	
	Auxiliary Power	12V	
Structure Design	Installation Method	portable	
	Charging Outlet	CCS1\CCS2\CHAdEMO\GB/T (for choose)	
	Cable Length	2.5 m (standard)	
	LED Indicator	3 indicators	
	LCD screen	10 inch Daylight readable touchscreen	
	Emergency Stop Button	Yes	
	Startup Mode	Plug-and-play	
Communication	EN-GATE v.s.Charger	CAN 2.0 (CHAdEMO, GB/T) PLC (CCS)	
	EN-GATE v.s.Backend	Ethernet/3G/4G/WIFI	
	Communication Protocol	OCPP 1.6 (JSON)/OCPP 1.5	
Environmental Index	Operation Temperature	-20 °C ~ 60°C	
	Working Humidity	5%-95% without condensation	
	Working Altitude	<2000m	
	Protection Grade	IP31	
	Application Site	Indoor/Outdoor	
	Cooling Method	Fan cooling	
Security Protection	Multiple Protection	Over/Under voltage protection, overload protection, short circuit protection, over/under temperature protection, Surge protection, Communication failure	
	MTBF	100,000 hours	
Package Information	Production Dimension	42*33*16cm	
	Package Dimension	54*44*28cm	
	Delivery weight	35kg	
	External Packing	Wooden case and carton	

## 50kW Portable DC Fast EV Charger

50kW portable DC fast EV charger is suitable for all brands electric vehicle. They support CHAdeMO, CCS and GB/T. type 1/type 2. Applicable for highway service areas, gas station, electric bus station, and other large parking lots, hotels and fleet depots.



Specification	Items	iESET450-100B
AC Norminal Input	Phase/Lines	3 phase+neutral+PE
	Voltage	300-500V
	Frequency	50Hz / 60Hz (±10%)
DC Nominal Output	Voltage	50-500VDC/ 200-1000VDC
	Current	100A / 50A
	Power	50kW
Electrical Parameter	Power Factor	≥0.99
	Unequal Current Ratio	≤ 5%
	Stable voltage accuracy	≤±0.5%
	Stable Current Accuracy	≤±1%
	Efficiency	≥95% (50%-100% load)
	Soft Start Time	3-8s
	Auxiliary Power	12V
Structure Design	Instalation Method	Ground mount
	Charging Outlet	CCS1\CCS2\CHAdEMO\GB/T
	Cable Length	2.5 m (standard)
	LED Indicator	3 indicators
	LCD screen	10 inch Daylight readable touchscreen
	Emergency Stop Button	Yes
	Startup Mode	Plug-and-play/RFID card
	RFID	Option
Communication	EN-GATE v.s.Charger	CAN 2.0 (CHAdEMO,GB/T) PLC (CCS)
	EN-GATE v.s.Backend	Ethernet/3G/4G/WIFI
	Communication Protocol	OCPP 1.5/OCPP 1.6 (JSON)(option)
	Remote control	Support (option)
Environmental Index	Operation Temperature	-20 °C ~ 60°C
	Working Humidity	5%-95% without condenstation
	Working Altitude	<2000m
	Protection Grade	IP31
	Application Site	Indoor/Outdoor
	Cooling Method	Fan cooling
Security Protection	Multiple Protection	Over/Under voltage protection,overload protection, short circuit proteciton,over/under temperature protection,Surge protection, Communication failure
	MTBF	100,000 hours
Package Information	Production Dimension	106*50*50cm
	Package Dimension	132*68*63cm
	Delivery weight	213kg
	External Packing	Wooden case and carton

## REFERENCES...







## Contact us



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