



Power Inlet & Outlet Boxes

50 Amp RV Power Outlet Box, NEMA 14-50R and 5-20R Duplex

RV Outlet Box - NEMA 14-50R receptacle plus one NEMA 5-20R duplex receptacle, 50 Amp at the 14-50R, 20 Amp at the 5-20R duplex 125/250 V at the 14-50R, 125 V at the 5-20R

A 50 amp outlet box is what a big fifth wheel or a motorhome needs at its parking spot: a NEMA 14-50R receptacle for the coach cord, and a 5-20R duplex for everything that used to run off an extension lead.

The 14-50R is a four-wire 125/250V device, so both legs of the supply reach the coach and its 240V appliances work as they do at a 50 amp campsite. The same receptacle is standard on EV charging points, which is why these boxes are sold to both markets.

E-mail Now

Specifications

Label	Value
Product Name:	50 Amp RV Power Outlet Box, NEMA 14-50R and 5-20R Duplex
Product Type:	RV Outlet Box
Connector Configuration:	NEMA 14-50R receptacle plus one NEMA 5-20R duplex receptacle
Maximum Current:	50 Amp at the 14-50R, 20 Amp at the 5-20R duplex
Voltage Rating:	125/250 V at the 14-50R, 125 V at the 5-20R
Number of Poles and Wires:	14-50R 3-pole 4-wire, 5-20R 2-pole 3-wire
Overcurrent Protection:	Not fitted. Supply the box from a 50 amp double-pole breaker, with GFCI protection on the 5-20R circuit
Enclosure and Cover:	Steel enclosure with a gasketed cover that closes over the plugged-in cords, pre-drilled mounting holes and plugged cable entries
Enclosure Material:	Powder-Coated Steel, Weatherproof Cover
Contact Material:	Nickel-Plated Brass, Pure Copper Conductive Parts
Safety Approvals:	ETL listed
Environmental Certifications:	RoHS, REACH, PAHS compliant
Color:	As shown; custom colors available on request
Testing:	Hi-Pot (Dielectric Withstand), Polarity (Pinout) and Continuity
Customization:	OEM / ODM; custom colors, packaging and labeling available
Country of Origin:	Made in China
Packing:	Standard Export Carton

Typical Applications

Storage yards and driveways for 50 amp coaches, campground pads being upgraded from 30 amp, EV charging points at homes and shops, and food or equipment trailers with a 14-50 inlet.

Before You Wire It

Size the conductors for 50 amp and supply the box from a double-pole breaker. The 5-20R receptacles need GFCI protection outdoors, and they share the box with a 50 amp circuit, so keep the two circuits separate back at the panel.

Check the cord end for wear before each season. A four-wire RV cord that has been dragged over gravel is the usual reason a 14-50R gets hot at the blades.

Ordering Notes

ETL listed. Samples are available, production runs start at 200 to 1000 pieces with 15 to 20 working days after the order and artwork are confirmed, and private label covers the enclosure label and the packing.

Our other certificated products



Yuyao ChengBang

Tel: 0086-574-62160227 Fax: 0086-574-62615227

E-mail: sales@chinapowercords.com <https://www.chinapowercords.com>

Simen Town, Yuyao

Ningbo / Zhejiang, China
315400