



50 Amp RV Surge Protector Adapter, NEMA 14-50P to NEMA 14-50R

Plug and Connector Type: NEMA 14-50P Male to NEMA 14-50R Female

This is the 50 amp member of the range: a [NEMA 14-50P](#) plug on the pedestal side and a [NEMA 14-50R](#) receptacle for the motorhome cord. It is the same four-wire 125/250V interface used on modern dryers, electric ranges and EV outlets, but this one carries UL 817 surge protection in between.

50A service gives the coach 12,000W at 240V, split into two 120V legs, which is what a residential refrigerator, two air conditioners and an induction cooktop need at the same time.

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RV Surge Protector Adapters

Specifications

Label	Value
Product Name:	50 Amp RV Surge Protector Adapter, NEMA 14-50P to NEMA 14-50R
Adapter Type:	NEMA 14-50P Male Plug to NEMA 14-50R Female Receptacle
Male Plug Connector:	NEMA 14-50P
Female Receptacle Connector:	NEMA 14-50R
Male Plug Current Rating:	50A
Female Receptacle Current Rating:	50A
Maximum Current:	50A
Voltage Rating:	125V/250V
Prong Configuration:	4 prong 3 poles 4 wires
Power Indicator:	Not fitted
Standard:	UL 817
Safety Approvals:	UL, cULus
Environmental Certifications:	RoHS, REACH
Housing Material:	PA66 Flame-Retardant Engineering Plastic
Contact / Blade Material:	Nickel-Coated Brass, Pure Copper Conductive Parts
Flammability Rating:	UL 94 V-0
Temperature Rating:	-40 C to +75 C
Color:	Black is standard; any color 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

Built for 50 amp RV sites, fifth wheels and diesel pushers with a 14-50 inlet, and for the long hookups where the pedestal is metres from the coach. It also suits 14-50 generator outlets and shop receptacles on the same standard. If the site only has a 30 amp pedestal, the [30 amp to 50 amp adapter](#) handles that instead.

Before You Plug In

On 50 amp hookups look at the neutral. A loose neutral on a 14-50 pedestal puts the two 120V legs at uneven voltage, and appliances feel it before the breaker does. Check the cord end for heat discolouration each time.

Ordering Notes

The NEMA 14-50R socket is rated 125/250V. Available power still comes from the source: a 50A pedestal supplies 50A, a 14-50 range outlet supplies what its breaker allows.

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