SMARTPLUG®
Innovations in Power Delivery
.com

RV PRODUCT CATALOG **2019**

SAFE   **SIMPLE**   **SECURE**

ABOUT OUR COMPANY

SmartPlug Systems is a privately held manufacturing firm specializing in power delivery systems. It was founded in 2007 and is located in Seattle, WA. Its flagship product, the SmartPlug, is a patented device positioned to replace the current power delivery system for RV's, Boats, and a variety of specialty vehicles and miscellaneous industrial applications.

OUR COMMITMENT TO OUR CUSTOMERS

Safety Solving Age-Old Problems to Protect Your Family and Your Property

Quality Providing the Highest Quality Parts, Incorporating the Latest Technology, Made in the USA

Service Our Culture is to Build Long Term Business Relationships through Exceptional Customer Service

OUR VISION

To change industry standards for recreational and commercial power delivery connectors.
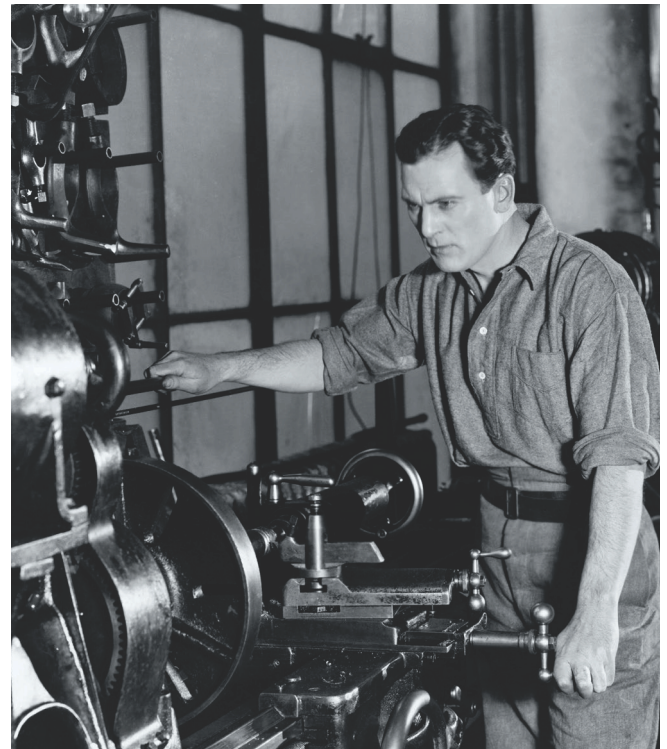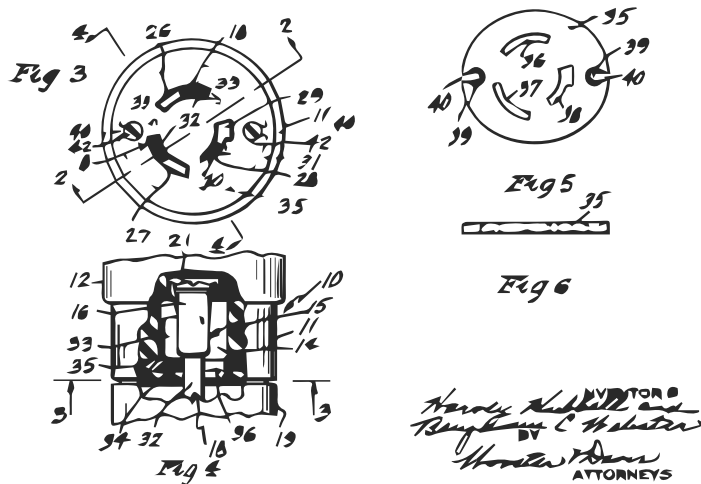
CATALOG CONTENTS

Contrary to popular belief, the **#1 cause of park power failure and fires** is not electrical shorting, but rather **overheating caused by poor electrical conductivity.**

DID YOU KNOW?

Shore power delivery systems have remained virtually unchanged since they first came out in 1938.

THE PROBLEM WITH THE ORIGINAL SYSTEM:

The shape of electrical pins allows for very little contact area, and the pins themselves are also largely responsible for bearing any physical stress placed on the cord (from someone tripping on the cord, etc.) This results in the pins working loose, further lessening the precious little contact area they had to begin with. Furthermore, such loose connections allow for moisture intrusion and ultimately corrosion of the pins. Arcing occurs and the connection heats up, scorches, and in some cases, catches fire. Because the current draw is unchanged, all of this happens long before a breaker or a GFCI can cut the power. Additionally, the old design can be very difficult to use in low light or hard-to-reach scenarios since the "L" shaped pin must first be located and then oriented before connecting.

TWIST-TYPE PRODUCTS - DESIGN FLAWS

LEGACY LS-30 - 30A Twist-type Pin & Clip

✓ **Curved Electrical Pin & Clips / Difficult to Align / Limited Contact Area**
Pin contact affected by cord weight & movement / Reduces contact area / Creates heat

✓ **Visible Gap Between Body of Plug & Inlet Housing**
Allow moisture intrusion which creates corrosion, arching & heat buildup

✓ **Not Weather Proof - Legacy Design Does Not Include Gasket Systems**
Results in corrosion which is a major cause of overheating

SAFER - MORE METAL CONTACT ELIMINATES OVERHEATING

SmartPlug
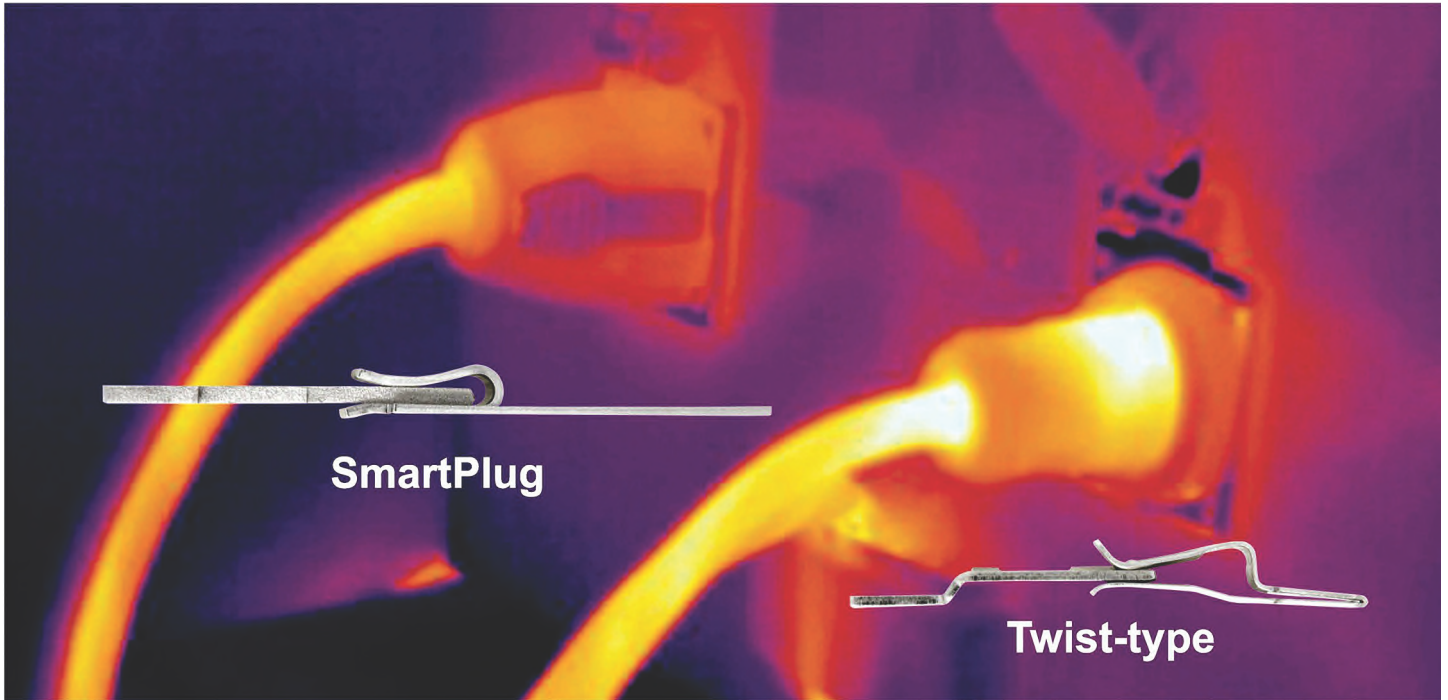
Twist-type

Cooler **Hotter**

SmartPlug 30 Amp

30 Amp/ Twist-Type

Over 20X The Contact Area!
- Back of Pin = 16.4mm X 8.5mm = 139.4 sq mm
- Front of Pin= 6mm X 8.5mm = 51 sq mm

Total Contact Area= 190.4 SQ MM

30A Twist-Type-Surface Contact Area
- Back of Pin= 1.3mm X 2.7mm = 3.51 sq mm
- Front of Pin= 1.3mm X 2.4mm = 3.12 sq mm

Total Contact area w/ dimple locked in place= 6.63 SQ MM

SAFE   SIMPLE   SECURE

NO TWISTING! - SELF CLEANING PUSH-IN DESIGN

30 AMP INLET & PLUG FEATURES

LED POWER INDICATOR
Two blue LEDs illuminate indicate an active power source.

LOCKING FEATURE
Dual locking side levers snap into sides of inlet housing.

WEATHERPROOF
Face gasket seals.

LOCKING FEATURE
Inlet cover snaps onto back of connector.

EASY INSTALLATION
Industry standard hole pattern fits your existing inlet hole pattern.

ELECTRICAL PINS
Straight pins with 20X surface area. No twisting required!

**CONNECTOR BODY SHAPE**
Sleeve design fits snugly within inlet, removing all tension from pins & clips.

WEATHERPROOF
Face gasket seals against inlet sleeve to eliminate dirt & moisture exposure on electrical pins.

EASE OF USE
Unique plug body shape only goes in the right way! Easy to orient with no misalignment - even in the dark! Pushes straight in & locks automatically.

Product of USA
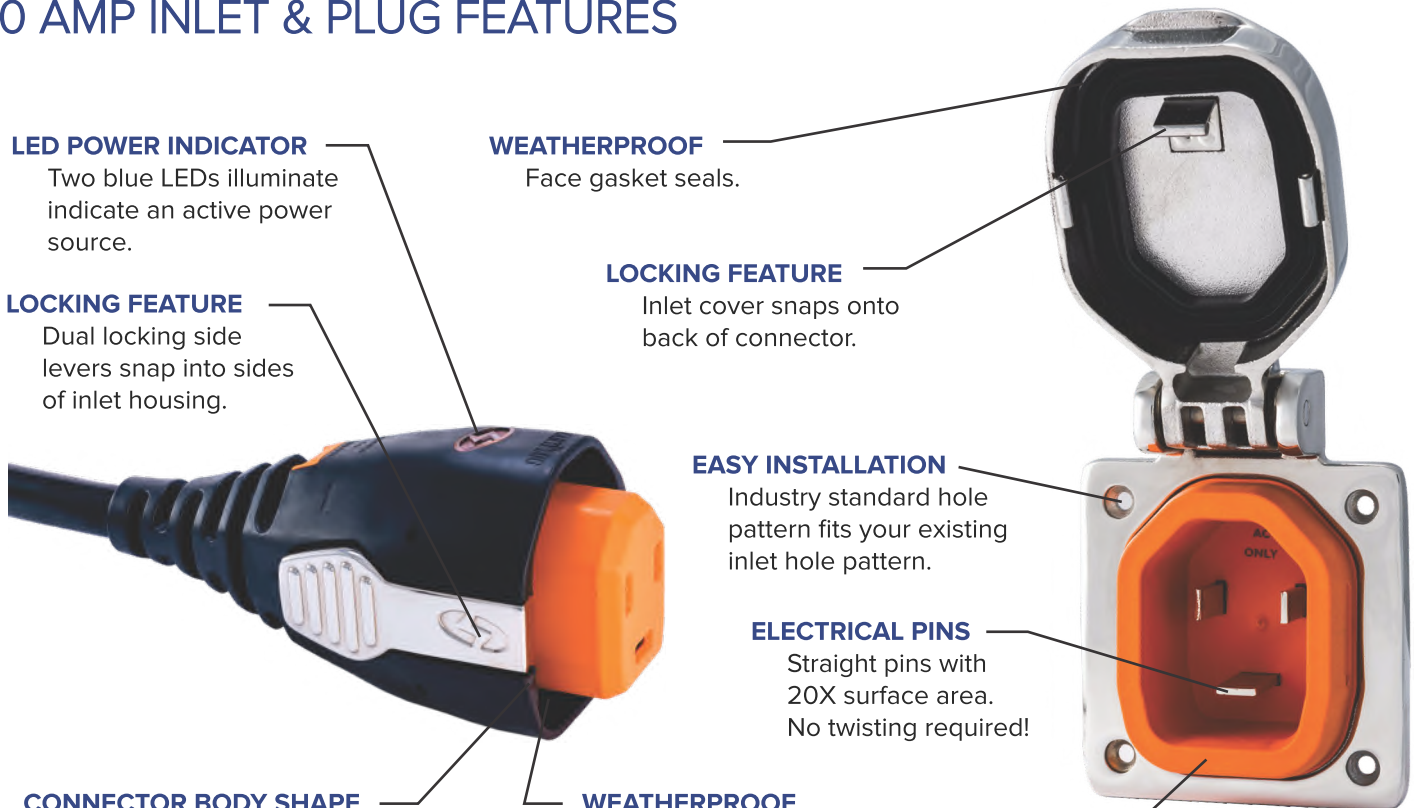
INLET CONNECTORS

Description

SmartPlug's 30A and 50A inlets provide 20X's more electrical contact area eliminating the overheating conditions seen with twist-type connectors. The solid sleeve connection and weatherproof seal makes it a preferred option. The mounting flange holes match existing inlets so it can be easily installed to replace the old twist-type inlet products in minutes. The inlets are available in stainless steel and three non-metallic colors, (White, Gray or Black), of high performance/flame resistant material.

16 AMP PRODUCTS

PART NUMBER	DESCRIPTION	MATERIAL	COLOR
BM16NT	16 Amp / 230V / SmartPlug Male Inlet - (RV Side)	Stainless Steel	Stainless
BM16PW	16 Amp / 230V / SmartPlug Male Inlet - (RV Side)	Non-Metallic	White
BM16PG	16 Amp / 230V / SmartPlug Male Inlet - (RV Side)	Non-Metallic	Gray
BM16PB	16 Amp / 230V / SmartPlug Male Inlet - (RV Side)	Non-Metallic	Black

32 AMP PRODUCTS

PART NUMBER	DESCRIPTION	MATERIAL	COLOR
BM32S	32 Amp / 230V / SmartPlug Male Inlet - (RV Side)	Stainless Steel	Stainless
BM32PW	32 Amp / 230V / SmartPlug Male Inlet - (RV Side)	Non-Metallic	White
BM32PG	32 Amp / 230V / SmartPlug Male Inlet - (RV Side)	Non-Metallic	Gray
BM32PB	32 Amp / 230V / SmartPlug Male Inlet - (RV Side)	Non-Metallic	Black

30 AMP PRODUCTS

PART NUMBER	DESCRIPTION	MATERIAL	COLOR
BM30NT	30 Amp / 125V / SmartPlug Male Inlet - (RV Side)	Stainless Steel	Stainless
BM30PW	30 Amp / 125V / SmartPlug Male Inlet - (RV Side)	Non-Metallic	White
BM30PG	30 Amp / 125V / SmartPlug Male Inlet - (RV Side)	Non-Metallic	Gray
BM30PB	30 Amp / 125V / SmartPlug Male Inlet - (RV Side)	Non-Metallic	Black
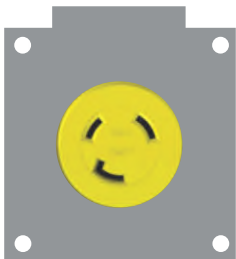
Twist-Type
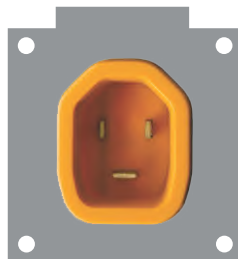
SmartPlug

✔ Same Mounting Flange Hole Pattern
✔ Use The Same Holes and Screws
✔ Inlets Include Silicone Mounting Gasket

50 AMP PRODUCTS

PART NUMBER	DESCRIPTION	MATERIAL	COLOR
BM50S	50 Amp / 125/250 V / SmartPlug Male Inlet - (RV Side)	Stainless Steel	Stainless
BM50PW	50 Amp / 125/250 V / SmartPlug Male Inlet - (RV Side)	Non-Metallic	White
BM50PG	50 Amp / 125/250 V / SmartPlug Male Inlet - (RV Side)	Non-Metallic	Gray
BM50PB	50 Amp / 125/250 V / SmartPlug Male Inlet - (RV Side)	Non-Metallic	Black

CONNECTORS

Description

The 30A and 50A retro-fit connector offers superior performance and ease of use. The SmartPlug connector is designed to use your current cordset. You simply cut off the cord plug on your RV/Boat cord. The connector has spring loaded side levers that automatically lock into the slots on the inlet housing. The connector has mechanical cord restraint, color coded wire guides and a water resistant cordseal.

16 AMP PRODUCTS

PART NUMBER	DESCRIPTION	MATERIAL	COLOR
BF16	16 Amp / 230V / SmartPlug Female Connector (Designed to be used on Existing Cord)	Non-Metallic	Orange

32 AMP PRODUCTS

PART NUMBER	DESCRIPTION	MATERIAL	COLOR
BF32	32 Amp / 230V / SmartPlug Female Connector (Designed to be used on Existing Cord)	Non-Metallic	Orange

30 AMP PRODUCTS

PART NUMBER	DESCRIPTION	MATERIAL	COLOR
BF30	30 Amp / 125V / SmartPlug Female Connector (Designed to be used on Existing Cord)	Non-Metallic	Orange

50 AMP PRODUCTS

PART NUMBER	DESCRIPTION	MATERIAL	COLOR
BF50	50 Amp / 125/250V / SmartPlug Female Connector (Designed to be used on Existing Cord)	Non-Metallic	Orange

STEP 1

STEP 2

STEP 3

STEP 4

COMBO KITS

Description

The SmartPlug Combo Kit includes both a 16A, 32A, 30A, and 50A inlet connector and a retro-fit connector. The retro-fit connector is designed to be used with your existing cord. This package offer superior performance and ease of use. The inlets are available in stainless steel and three non-metallic colors, (White, Gray or Black), of high performance/flame resistant material.

16 AMP COMBO KITS

PART NUMBER	DESCRIPTION	Inlet		Connector	
		MATERIAL	COLOR	MATERIAL	COLOR
B16ASSYNT	16 Amp / 230V Combo Kit - Includes a SmartPlug Stainless Male Inlet - (RV Side) & SmartPlug Female Connector, (Designed to be used with existing cord)	Stainless Steel	Stainless	Non-Metallic	Orange
B16ASSYPW	16 Amp / 230V Combo Kit - Includes a SmartPlug Non-Metallic Male Inlet - (RV Side) & SmartPlug Female Connector, (Designed to be used with existing cord)	Non-Metallic	White	Non-Metallic	Orange
B16ASSYPG	16 Amp / 230V Combo Kit - Includes a SmartPlug Non-Metallic Male Inlet - (RV Side) & SmartPlug Female Connector, (Designed to be used with existing cord)	Non-Metallic	Gray	Non-Metallic	Orange
B16ASSYPB	16 Amp / 230V Combo Kit - Includes a SmartPlug Non-Metallic Male Inlet - (RV Side) & SmartPlug Female Connector, (Designed to be used with existing cord)	Non-Metallic	Black	Non-Metallic	Orange

32 AMP COMBO KITS

PART NUMBER	DESCRIPTION	Inlet		Connector	
		MATERIAL	COLOR	MATERIAL	COLOR
B32ASSY	32 Amp / 230V Combo Kit - Includes a SmartPlug Stainless Male Inlet - (RV Side) & SmartPlug Female Connector, (Designed to be used with existing cord)	Stainless Steel	Stainless	Non-Metallic	Orange
B32ASSYPW	32 Amp / 230V Combo Kit - Includes a SmartPlug Non-Metallic Male Inlet - (RV Side) & SmartPlug Female Connector, (Designed to be used with existing cord)	Non-Metallic	White	Non-Metallic	Orange
B32ASSYPG	32 Amp / 230V Combo Kit - Includes a SmartPlug Non-Metallic Male Inlet - (RV Side) & SmartPlug Female Connector, (Designed to be used with existing cord)	Non-Metallic	Gray	Non-Metallic	Orange
B32ASSYPB	32 Amp / 230V Combo Kit - Includes a SmartPlug Non-Metallic Male Inlet - (RV Side) & SmartPlug Female Connector, (Designed to be used with existing cord)	Non-Metallic	Black	Non-Metallic	Orange

30 AMP COMBO KITS

PART NUMBER	DESCRIPTION	Inlet		Connector	
		MATERIAL	COLOR	MATERIAL	COLOR
BM30NT	30 Amp / 125V Combo Kit - Includes a SmartPlug Stainless Male Inlet - (RV Side) & SmartPlug Female Connector, (Designed to be used with existing cord)	Stainless Steel	Stainless	Non-Metallic	Orange
BM30PW	30 Amp / 125V Combo Kit - Includes a SmartPlug Non-Metallic Male Inlet - (RVSide) & SmartPlug Female Connector, (Designed to be used with existing cord)	Non-Metallic	White	Non-Metallic	Orange
BM30PG	30 Amp / 125V Combo Kit - Includes a SmartPlug Non-Metallic Male Inlet - (RVSide) & SmartPlug Female Connector, (Designed to be used with existing cord)	Non-Metallic	Gray	Non-Metallic	Orange
BM30PB	30 Amp / 125V Combo Kit - Includes a SmartPlug Non-Metallic Male Inlet - (RVSide) & SmartPlug Female Connector, (Designed to be used with existing cord)	Non-Metallic	Black	Non-Metallic	Orange

50 AMP COMBO KITS

PART NUMBER	DESCRIPTION	Inlet		Connector	
		MATERIAL	COLOR	MATERIAL	COLOR
BM50NT	50 Amp / 125/250V Combo Kit - Includes a SmartPlug Stainless Male Inlet - (RV Side) & SmartPlug Female Connector, (Designed to be used with existing cord)	Stainless Steel	Stainless	Non-Metallic	Orange
BM50PW	50 Amp / 125/250V Combo Kit - Includes a SmartPlug Non-Metallic Male Inlet - (RV Side) & SmartPlug Female Connector, (Designed to be used with existing cord)	Non-Metallic	White	Non-Metallic	Orange
BM50PG	50 Amp / 125/250V Combo Kit - Includes a SmartPlug Non-Metallic Male Inlet - (RV Side) & SmartPlug Female Connector, (Designed to be used with existing cord)	Non-Metallic	Gray	Non-Metallic	Orange
BM50PB	50 Amp / 125/250V Combo Kit - Includes a SmartPlug Non-Metallic Male Inlet - (RV Side) & SmartPlug Female Connector, (Designed to be used with existing cord)	Non-Metallic	Black	Non-Metallic	Orange

Innovations in Power Delivery

CORDSETS AND INLET KITS

15 AMP CORDS
Dual Configuration - 15Amp /125VAC Cordset - (15A STD Male Wall Plug x 30A SmartPlug Female Connector)

PART NUMBER	DESCRIPTION	LENGTH	COLOR	RV SIDE	POWER SOURCE
C15043	15 Amp / 125V Cordset - 15 Amp Std Male Wall Plug x 30Amp Female Connector	4ft	Orange	30A SmartPlug	15A Wall Plug
C15253	15 Amp / 125V Cordset - 15 Amp Std Male Wall Plug x 30Amp Female Connector	25ft	Orange	30A SmartPlug	15A Wall Plug
C15503	15 Amp / 125V Cordset - 15 Amp Std Male Wall Plug x 30Amp Female Connector	50ft	Orange	30A SmartPlug	15A Wall Plug

16 AMP CORDS
Single Configuration - 16 Amp /230VAC Harmonized Cord - (16A SmartPlug Female Connector w/an Open End)

PART NUMBER	DESCRIPTION	LENGTH	COLOR	RV SIDE	POWER SOURCE
C16123	16 Amp / 230V Harmonized Cord - 16 Amp SmartPlug Female Connector x Open End	12.5M	Orange	16A SmartPlug	Open End
C16153	16 Amp / 230V Harmonized Cord - 16 Amp SmartPlug Female Connector x Open End	15.5M	Orange	16A SmartPlug	Open End
C16253	16 Amp / 230V Harmonized Cord - 16 Amp SmartPlug Female Connector x Open End	25M	Orange	16A SmartPlug	Open End

30 AMP CORDS
Dual Configuration - 30 Amp /125VAC Cordset - (30A SmartPlug Female Connector x 30A Male Twist-Type Connector)

PART NUMBER	DESCRIPTION	LENGTH	COLOR	RV SIDE	POWER SOURE
R30303	30 Amp / 125V Cordset - 30Amp SmartPlug Female Connector x 30 Amp Male RV Pedestal Plug	30ft	Black	30A SmartPlug	RV Pedestal Plug

www.SmartPlug.com

30 AMP CORDS & INLET KITS
Dual Configuration - 30A /125VAC Cordset (30A SmartPlug Female Connector x 30A Male Twist-Type Cordset) & (30A SmartPlug Male Inlet)

		Cordset Specifications				Inlet Specifications	
PART NUMBER	DESCRIPTION	LENGTH	COLOR	RV SIDE	POWER SOURCE	MATERIAL	COLOR
R30303BM30NT	30 Amp / 125V / Cordset - 30A SmartPlug Female Connector - (RV Side) x 30A Male RV Pedestal Plug - (Power Source) & 30 Amp SmartPlug Stainless Steel Male Inlet	30ft	Black	30A SmartPlug	RV Pedestal Plug	Stainless	Stainless
R30303BM30PW	30 Amp / 125V / Cordset - 30A SmartPlug Female Connector - (RV Side) x 30A Male RV Pedestal Plug - (Power Source) & 30 Amp SmartPlug Non-Metallic Male Inlet	30ft	Black	30A SmartPlug	RV Pedestal Plug	Non-Metallic	White
R30303BM30PG	30 Amp / 125V / Cordset - 30A SmartPlug Female Connector - (RV Side) x 30A Male RV Pedestal Plug - (Power Source) & 30 Amp SmartPlug Non-Metallic Male Inlet	30ft	Black	30A SmartPlug	RV Pedestal Plug	Non-Metallic	Gray
R30303BM30PB	30 Amp / 125V / Cordset - 30A SmartPlug Female Connector - (RV Side) x 30A Male RV Pedestal Plug - (Power Source) & 30 Amp SmartPlug Non-Metallic Male Inlet	30ft	Black	30A SmartPlug	RV Pedestal Plug	Non-Metallic	Black

32 AMP HARMONIZED CORDS
Single Configuration - 32Amp /230V Cord - (32A SmartPlug Female Connector x Open End)

PART NUMBER	DESCRIPTION	LENGTH	COLOR	RV SIDE	POWER SOURCE
C32153	32 Amp / 230V Harmonized Cord - 32A SmartPlug Female Connector x Open End	15M	Orange	32A SmartPlug	Open End
C32253	32 Amp / 230V Harmonized Cord - 32A SmartPlug Female Connector x Open End	25M	Orange	32A SmartPlug	Open End

50 AMP CORDS
Dual Configuration - 50Amp 125/250V Cordset - (50A SmartPlug Female Connector x 50A Male Twist-type Connector)

PART NUMBER	DESCRIPTION	LENGTH	COLOR	RV SIDE	POWER SOURCE
R50304	50 Amp / 125/250V Cordset - 50A SmartPlug Female Connector x 50A Male RV Pedestal Plug	30ft	Orange	50A SmartPlug	50A Twist-Type

DATA PORTS PHONE/TV/CABLE/INTERNET

Description

SmartPlugs Data Port products are the perfect complement to our stainless park power inlets. These products offer the same look and quality marine grade stainless steel. They are available in coax cable, ethernet and mixed combinations.

PART NUMBER	DESCRIPTION	MATERIAL
BDCOAX	Single - TV/ Internet Connector	Stainless Steel
BDCOAXCC	Double - TV/ Internet Connector	Stainless Steel
BDETH	Ethernet Cable Connector	Stainless Steel
BDCOAXEC	Combo - Tv/ Internet Connector & Ethernet Cable Connector	Stainless Steel

ACCESSORIES

Weatherproof Cover for 30A & 50A

Description

The SmartPlug Weather Resistant Cover (A 1001) protects

SmartPlug shore power connectors (16A, 30A, 32A, 50A) from moisture when not in use. Weathercaps come with a convenient lanyard for tethering the Weatherproof Cover to the cordset.

PART NUMBER
A1001

15A & 30A Power Cord Carry Bag

Description

SmartPlug's nylon cordset bag provides a convenient way to transport and store your cordset. The includes handles and a zipper for easy use.

PART NUMBER
CB1001

SERVICE KITS   SERVICE AND GASKET KITS

Description

SmartPlug's parts kits provide all of the electrical components, hardware, and gaskets required to replace or repair our products. These kits even include a small amount of dish soap for the installation of new plug ends. The inlet kits also include a small Torx driver to remove the four screws from the mounting flange. Service kits that require wire connections, include the allen wrench for attaching wire to the inlets or plugs.

FEMALE CONNECTOR

SERVICE KITS/ FOR BF16, BF30, BF32 & BF50 PRODUCTS

PKF16	Service Kit - 16 Amp/ 230V - BF16 -SmartPlug Female Connector
PKF32	Service Kit - 32 Amp/ 230V - BF32 -SmartPlug Female Connector
PKF30	Service Kit - 30 Amp/ 125V - BF30 -SmartPlug Female Connector
PKF50	Service Kit - 50 Amp/ 125/250V - BF50 -SmartPlug Female Connector

MALE INLET CONNECTOR

SERVICE KITS/ FOR BM16NT, BM30NT, BM32S & BM50S PRODUCTS

PKM16	Service Kit - 16 Amp/ 230V - BM16NT -SmartPlug Male Inlet
PKM32	Service Kit - 32 Amp/ 230V - BM32S -SmartPlug Male Inlet
PKM30	Service Kit - 30 Amp/ 125V -BM30NT -SmartPlug Male Inlet
PKM50	Service Kit - 50 Amp/ 125/250V - BM50S -SmartPlug Male Inlet

www.SmartPlug.com

FEMALE CONNECTOR

GASKET KITS/ REPLACES GASKETS FOR BF16, BF30, BF32 & BF50 PRODUCTS

PKF16G	Gasket Kit - 16 Amp - BF16 - SmartPlug Female Connector
PKF32G	Gasket Kit - 32 Amp - BF32 - SmartPlug Female Connector
PKF30G	Gasket Kit - 30 Amp - BF30 - SmartPlug Female Connector
PKF50G	Gasket Kit - 50 Amp - BF50 - SmartPlug Female Connector

MALE - INLET CONNECTOR

GASKET KITS/ REPLACES GASKETS FOR BF16, BF30, BF32 & BF50 PRODUCTS

PKMGKT	Gasket Kit - 30Amp / 50Amp / Fits All SmartPlug Male Inlets / Including Stainless Steel & Non-Metallic Connectors

"Just want to say what a delight it is to use SmartPlug. From the moment I picked it up, I appreciated it's heft and knew I was working with a quality product. I particularly appreciated the bright light feature as the first of my 24 Airstream hookups at AutoCamp Russian River was at night and the light came as a pleasant surprise.

I also want to acknowledge its fool-proof design as there was no question as to how to plug it in.

Thanks for providing a great product."

Mark Belhumeur
General Manager
AutoCamp Russian River

"I have had the Smart plug installed on my Airstream trailer for a year and a half and it has been as advertised. It is a heavier duty and better looking alternative to the standard shore power cord and connection.

The cord is easy to handle and has an optional cover for the end of cord to prevent corrosion and dirt from getting into to the connections.

It slides straight in to the connection receptacle on the trailer and firmly locks into place with out any twisting or turning a plastic collar. The end of the cord has a blue LED light to let you know when you are hooked to power.

I would recommend Smart Plug to anyone wanting to upgrade their shore power cord and connections."

Dave Schumann
General Manager of Airstream Customer Relations, Retired
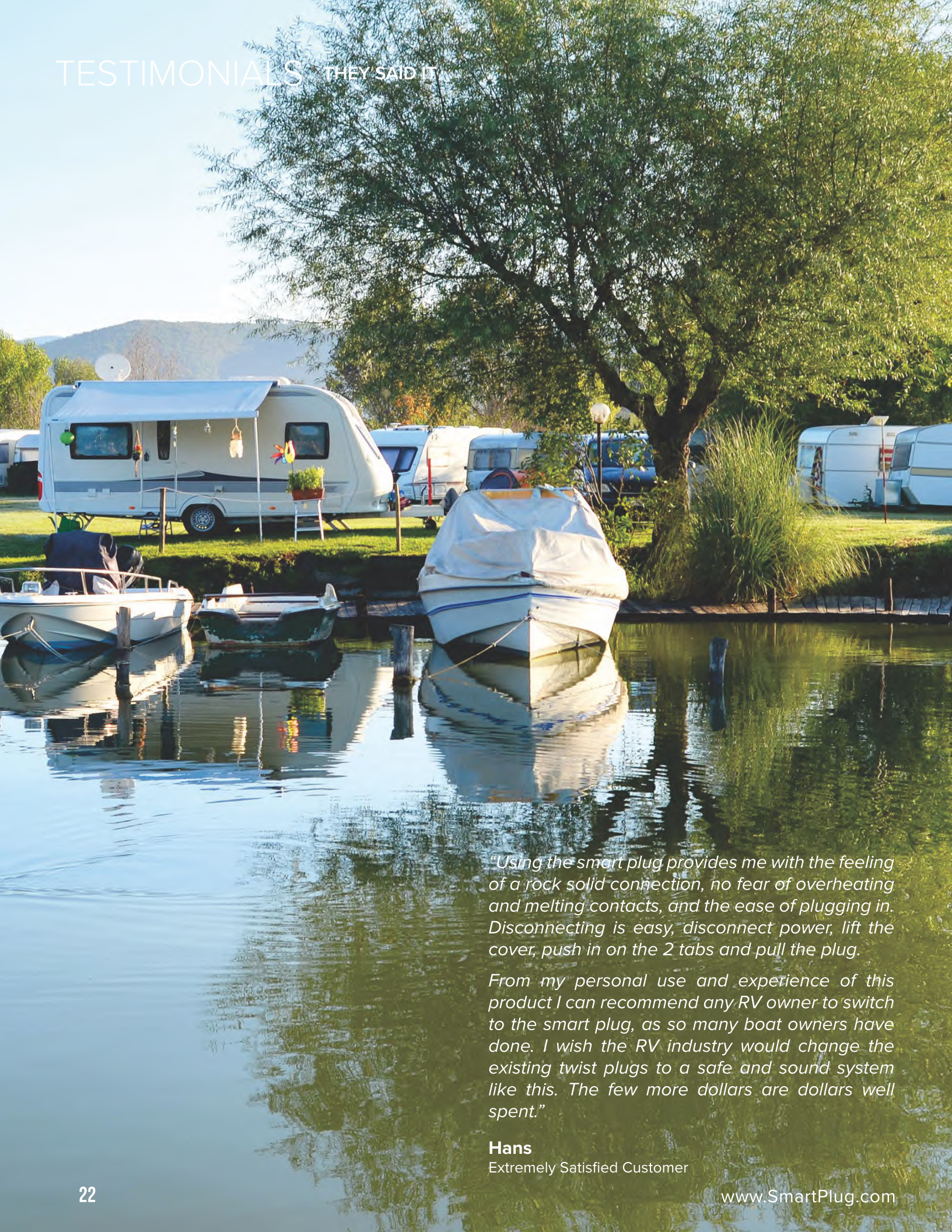
"Using the smart plug provides me with the feeling of a rock solid connection, no fear of overheating and melting contacts, and the ease of plugging in. Disconnecting is easy, disconnect power, lift the cover, push in on the 2 tabs and pull the plug.

From my personal use and experience of this product I can recommend any RV owner to switch to the smart plug, as so many boat owners have done. I wish the RV industry would change the existing twist plugs to a safe and sound system like this. The few more dollars are dollars well spent."

Hans
Extremely Satisfied Customer

"Ready to Purchase a SmartPlug or Accessory?"

Go to our website to find a dealer near you!
www.SmartPlug.com/dealers

SmartPlug®.com
Innovations in Power Delivery

RV

PRODUCT CATALOG **2019**

SAFE   SIMPLE   SECURE