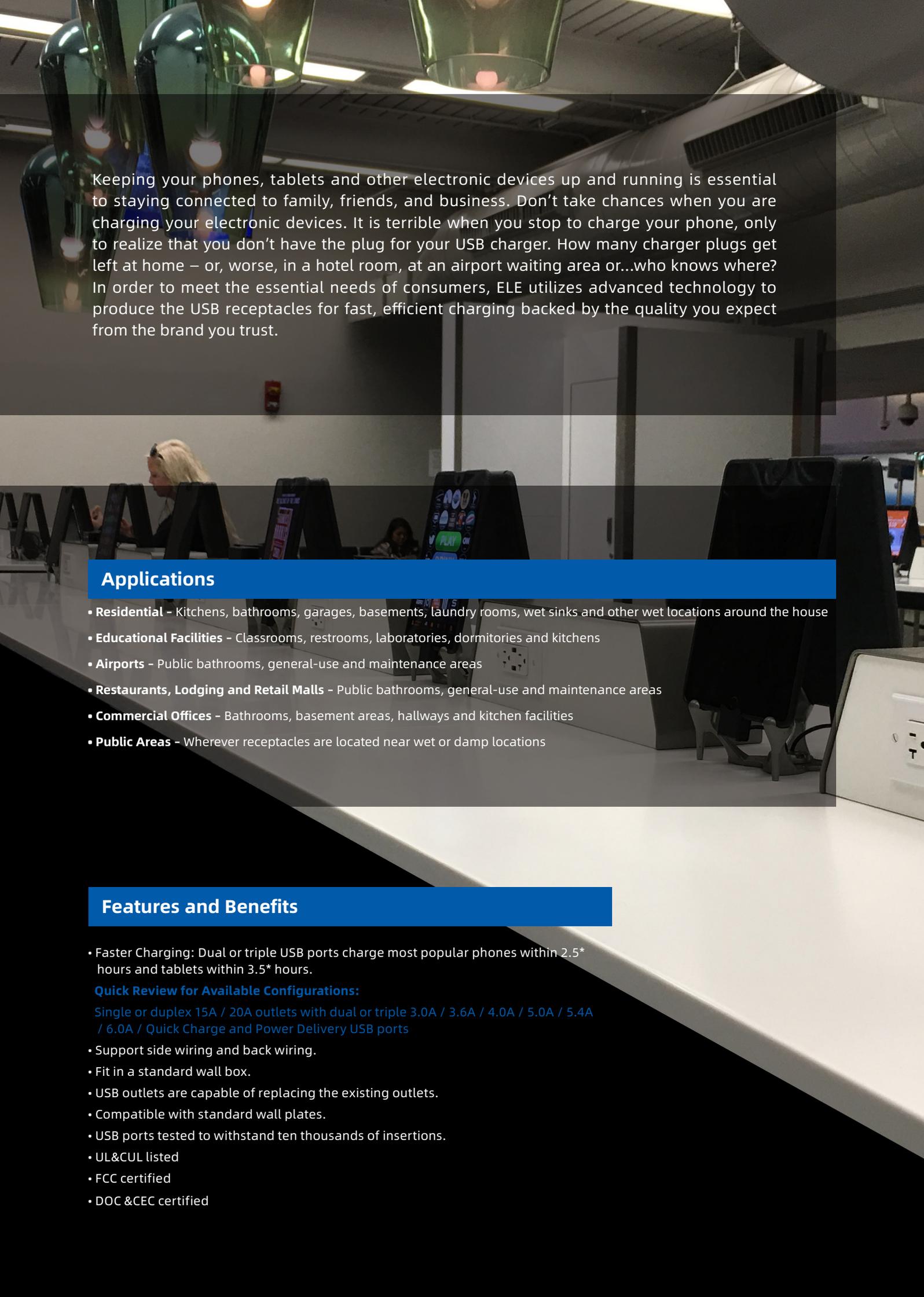


USB Charger Devices





Keeping your phones, tablets and other electronic devices up and running is essential to staying connected to family, friends, and business. Don't take chances when you are charging your electronic devices. It is terrible when you stop to charge your phone, only to realize that you don't have the plug for your USB charger. How many charger plugs get left at home – or, worse, in a hotel room, at an airport waiting area or...who knows where? In order to meet the essential needs of consumers, ELE utilizes advanced technology to produce the USB receptacles for fast, efficient charging backed by the quality you expect from the brand you trust.

Applications

- **Residential** – Kitchens, bathrooms, garages, basements, laundry rooms, wet sinks and other wet locations around the house
- **Educational Facilities** – Classrooms, restrooms, laboratories, dormitories and kitchens
- **Airports** – Public bathrooms, general-use and maintenance areas
- **Restaurants, Lodging and Retail Malls** – Public bathrooms, general-use and maintenance areas
- **Commercial Offices** – Bathrooms, basement areas, hallways and kitchen facilities
- **Public Areas** – Wherever receptacles are located near wet or damp locations

Features and Benefits

- **Faster Charging:** Dual or triple USB ports charge most popular phones within 2.5* hours and tablets within 3.5* hours.

Quick Review for Available Configurations:

Single or duplex 15A / 20A outlets with dual or triple 3.0A / 3.6A / 4.0A / 5.0A / 5.4A / 6.0A / Quick Charge and Power Delivery USB ports

- Support side wiring and back wiring.
- Fit in a standard wall box.
- USB outlets are capable of replacing the existing outlets.
- Compatible with standard wall plates.
- USB ports tested to withstand ten thousands of insertions.
- UL&CUL listed
- FCC certified
- DOC &CEC certified



Tamper-Resistant (TR) Models

Comply with NEC requirements mandating that all 15A and 20A receptacles installed in dwelling units must be listed as tamper-resistant. Shutter mechanism inside the receptacle blocks the access to the contacts unless a two-or three-prong plug is inserted.

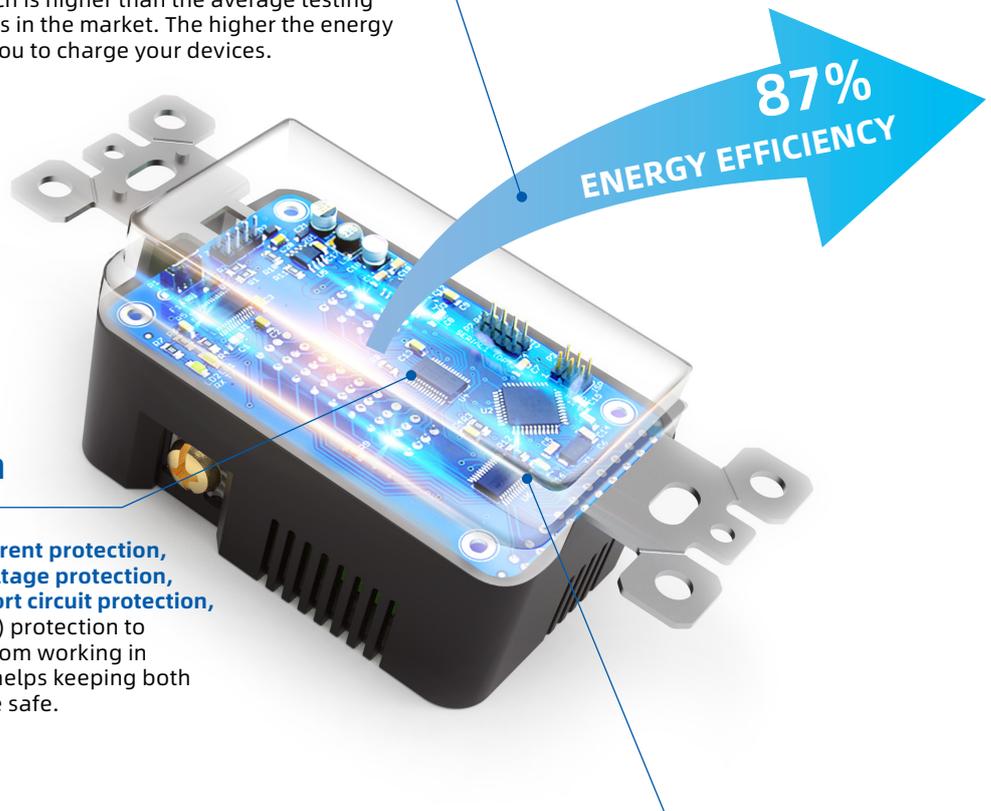
Flame Resistance Material

5VA flame resistance enclosure material is used for USB receptacles. It can resist burning and withstand heat to prevent fires.



Efficiency Level VI

A USB receptacle reaches up to 87% energy efficiency according to DOE & CEC lab testing, which is higher than the average testing result of most similar products in the market. The higher the energy efficiency, the lower it costs you to charge your devices.



Circuit Protection

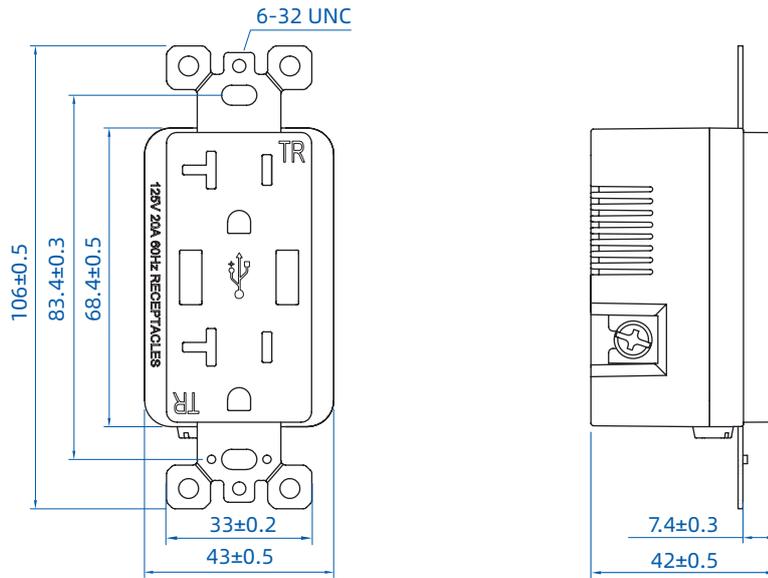
The circuit integrates overcurrent protection, overload protection, overvoltage protection, undervoltage protection, short circuit protection, ESD (Electro-Static discharge) protection to protect the USB Receptacle from working in abnormal conditions, which helps keeping both the receptacle and the device safe.

Extremely Low Standby Power Consumption



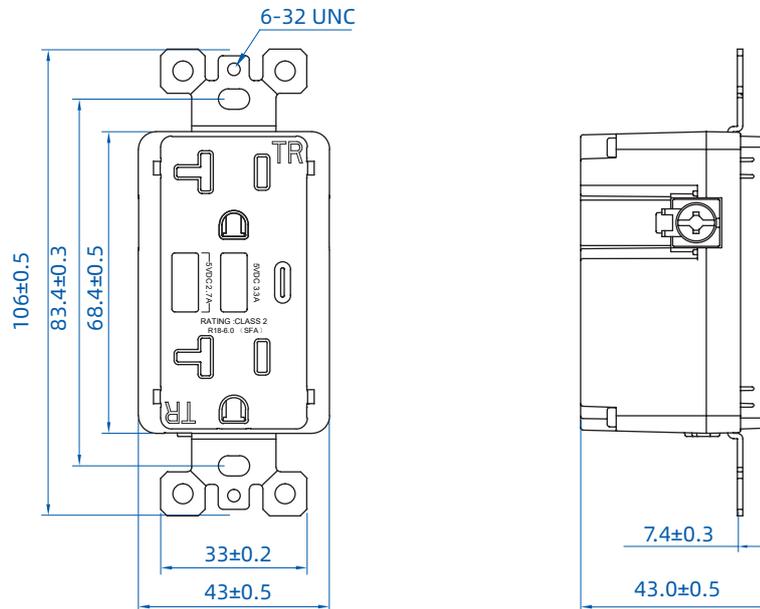
A USB receptacle features extremely low standby power consumption, which is less than 50mW/h and will help you save more power than the ordinary USB receptacles.

Dimensional



Model-Conventional USB receptacles				
R1615S30	R1615D30	R1620D30	R1615S36	R1615D36
R1620D36	R164U40	R1615D40	R1620D40	

Height	106 ± 0.5 mm
Width	43 ± 0.5 mm
Depth	42 ± 0.5 mm



Model-High-rated USB receptacles			
R1815D50AA	R1820D50AA	R1815D50AC	R1820D50AC
R1815D54AA	R1820D54AA	R1815D54AC	R1820D54AC
R1815D60AAA	R1820D60AAA	R1815D60AAC	R1820D60AAC
R1815D60CCA	R1820D60CCA	R1815D60CC	R1820D60CC
Model-Quick charge USB receptacle			
R1815DPD20AC	R1820DPD20AC	R1815DPD20CC	R1820DPD20CC
R1815DQC30AA	R1820DQC30AA	R1815DQC30AC	R1820DQC30AA

Height	106 ± 0.3 mm
Width	43.0 ± 0.5 mm
Depth	43.0 ± 0.5 mm

Conventional USB Receptacles



USB Receptacle with Type-A ports
Charging power ranges from 15W, 18W to 20W



CC / CV (Constant Current / Constant Voltage) Mode Control

As many different types of electronic devices need constant voltage or constant current to operate, USB ports support the way to change the mode of CC / CV in different situation to ensure the process of charging in a good way.

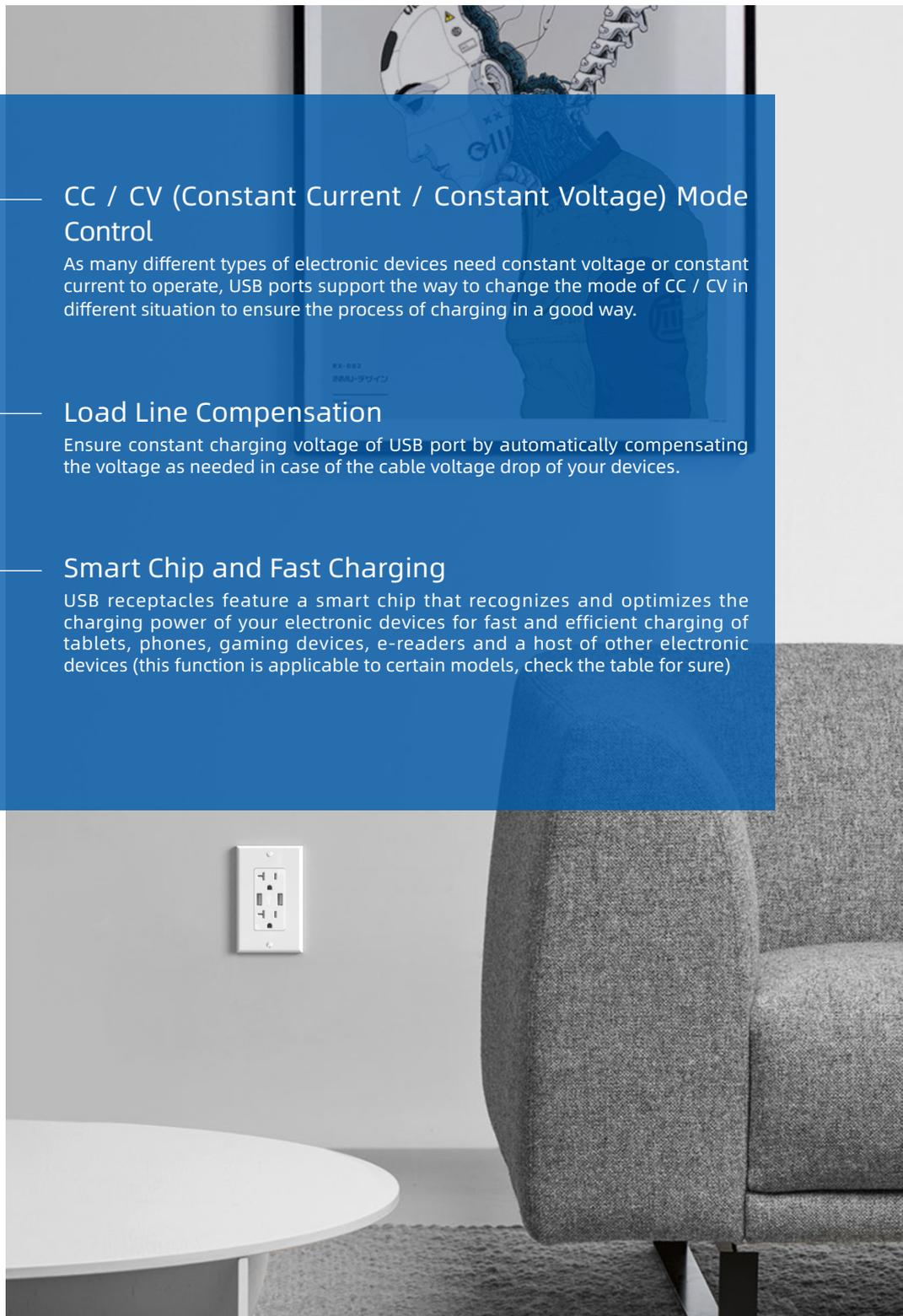
Load Line Compensation

Ensure constant charging voltage of USB port by automatically compensating the voltage as needed in case of the cable voltage drop of your devices.

Smart Chip and Fast Charging

USB receptacles feature a smart chip that recognizes and optimizes the charging power of your electronic devices for fast and efficient charging of tablets, phones, gaming devices, e-readers and a host of other electronic devices (this function is applicable to certain models, check the table for sure)

- **Overvoltage Protection**
- **Undervoltage Protection**
- **Overcurrent Protection**
- **Overload Protection**
- **Short Circuit Protection**



Types of USBs

CONVENTIONAL USB RECEPTACLES

Photo	Model	Description	USB Rating	Charging Protocol	NEMA	Special Functions		
						CC / CV	Load Line Compensation	Fast Charge
	R1615S30	Dual USB Ports Single TR Receptacle	5V 3.0A 15W	BC1.2	 5-15R	•	•	
	R1615D30	Dual USB Ports Duplex TR Receptacle	5V 3.0A 15W	BC1.2	 5-15R	•	•	
	R1620D30	Dual USB Ports Duplex TR Receptacle	5V 3.0A 15W	BC1.2	 5-20R	•	•	
	R1615S36	Dual USB Ports Single TR Receptacle	5V 3.6A 18W	BC1.2	 5-15R	•	•	
	R1615D36	Dual USB Ports Duplex TR Receptacle	5V 3.6A 18W	BC1.2	 5-15R	•	•	
	R1620D36	Dual USB Ports Duplex TR Receptacle	5V 3.6A 18W	BC1.2	 5-20R	•	•	
	R164U40	4.0 Amp 4 Ports USB Charger	5V 4A 20W	BC1.2	/	•	•	
	R1615D40	Dual USB Ports Duplex TR Receptacle	5V 4A 20W	BC1.2\ APPLE\ Samsung	 5-15R	•	•	•
	R1620D40	Dual USB Ports Duplex TR Receptacle	5V 4A 20W	BC1.2\ APPLE\ Samsung	 5-20R	•	•	•

High-Rated USB Receptacles



USB Receptacle with Type-A & Type-C ports and also with power of 25W, 27W and 30W



Features and Benefits

- High quality, high energy efficiency USB receptacles provide a smart choice in the fast charging solutions.
- USB receptacles with both Type A USB port for charging current phones/tablets and Type C USB port for charging newer and future devices.
- Meanwhile, it charges faster with more watts and higher current.



USB Type A



USB Type A/C



USB Type C

The future of Charging



- **Overvoltage Protection**
- **Undervoltage Protection**
- **Overcurrent Protection**
- **Overload Protection**
- **Short Circuit Protection**

CC / CV (Constant Current / Constant Voltage) Mode Control

As many different types of electronic devices need constant voltage or constant current to operate, USB ports support the way to change the mode of CC / CV in different situation to ensure the process of charging in the good way.

Backflow Protection

It provides the protection to prevent the electric current flow back from your devices to power supply.

Overheating Protection

Build in one heat-sensing component to shut down the charger when excessive heat is generated within the USB receptacle, halting the temperature climb before it damages the device.

Smart Chip and Faster Charging

USB receptacles feature a smart chip that recognizes and optimizes the charging power of your electronic devices for fast and efficient charging of tablets, phones, gaming devices, e-readers and a host of other electronic devices.



Types of USBs

HIGH-RATED USB RECEPTACLES

Photo	Model	Description	USB Rating	Charging Protocol	NEMA	Special Functions			
						CC / CV	Over heating	Backflow protection	Fast Charge
	R1815D50AA	Dual USB Ports Duplex TR Receptacle	5V 5.0A 25W	BC1.2\ APPLE\ Samsung	 5-15R	CV only			•
	R1820D50AA	Dual USB Ports Duplex TR Receptacle	5V 5.0A 25W	BC1.2\ APPLE\ Samsung	 5-20R	CV only			•
	R1815D50AC	Dual USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only	5V 5.0A 25W	BC1.2\ APPLE\ Samsung\ PD 3.0	 5-15R	CV only			•
	R1820D50AC	Dual USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only	5V 5.0A 25W	BC1.2\ APPLE\ Samsung\ PD 3.0	 5-20R	CV only			•
	R1815D54AA	Dual USB Ports Duplex TR Receptacle	5V 5.4A 27W	DCP\ BC1.2\ APPLE\ Samsung	 5-15R	•	•	•	•
	R1820D54AA	Dual USB Ports Duplex TR Receptacle	5V 5.4A 27W	DCP\ BC1.2\ APPLE\ Samsung	 5-20R	•	•	•	•
	R1815D54AC	Dual USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only	5V 5.4A 27W	DCP\ BC1.2\ APPLE\ Samsung\ PD 3.0	 5-15R	•	•	•	•
	R1820D54AC	Dual USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only	5V 5.4A 27W	DCP\ BC1.2\ APPLE\ Samsung\ PD 3.0	 5-20R	•	•	•	•

Types of USBs

HIGH-RATED USB RECEPTACLES

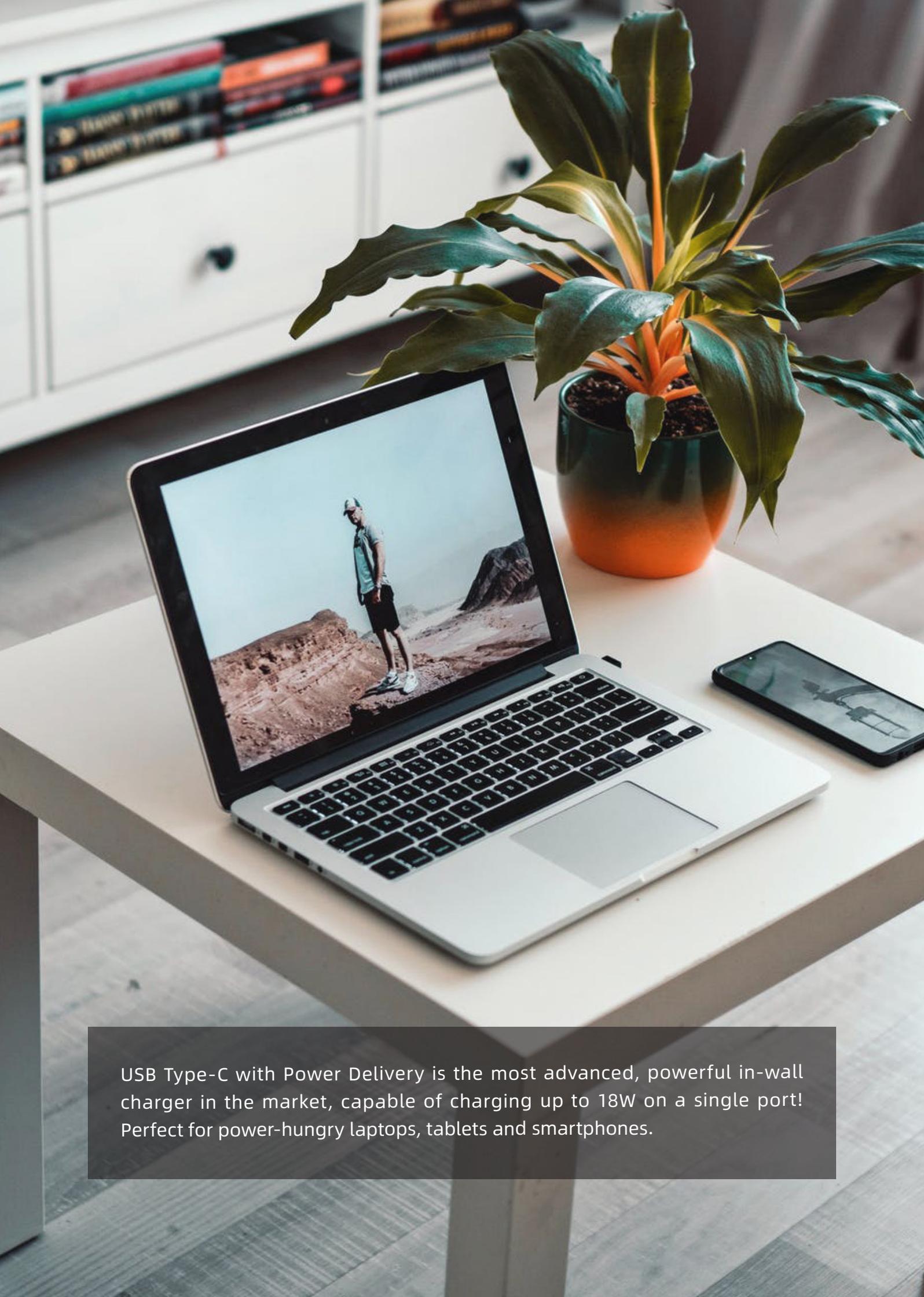
Photo	Model	Description	USB Rating	Charging Protocol	NEMA	Special Functions			
						CC / CV	Over heating	Backflow protection	Fast Charge
	R1815D60AAA	Triple USB Ports Duplex TR Receptacle	5V 6.0A 30W	DCP\ BC1.2\ APPLE\ Samsung	 5-15R	.	.	.	.
	R1820D60AAA	Triple USB Ports Duplex TR Receptacle	5V 6.0A 30W	DCP\ BC1.2\ APPLE\ Samsung	 5-20R	.	.	.	.
	R1815D60AAC	Triple USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only	5V 6.0A 30W	DCP\ BC1.2\ APPLE\ Samsung\ PD 3.0	 5-15R	.	.	.	.
	R1820D60AAC	Triple USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only	5V 6.0A 30W	DCP\ BC1.2\ APPLE\ Samsung\ PD 3.0	 5-20R	.	.	.	.
	R1815D60CCA	Triple USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only	5V 6.0A 30W	DCP\ BC1.2\ APPLE\ Samsung PD 3.0	 5-15R	.	.	.	.
	R1820D60CCA	Triple USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only	5V 6.0A 30W	DCP\ BC1.2\ APPLE\ Samsung PD 3.0	 5-20R	.	.	.	.
	R1815D60CC	Dual USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only	5V 6.0A 30W	DCP\ BC1.2\ APPLE\ Samsung\ PD 3.0	 5-15R	.	.	.	.
	R1820D60CC	Dual USB Ports Duplex TR Receptacle PD 3.0 5V Type C Only	5V 6.0A 30W	DCP\ BC1.2\ APPLE\ Samsung\ PD 3.0	 5-20R	.	.	.	.

Quick Charge USB Receptacles



36W Quick Charge USB Receptacles with Type-A and
(or) Type-C ports





USB Type-C with Power Delivery is the most advanced, powerful in-wall charger in the market, capable of charging up to 18W on a single port! Perfect for power-hungry laptops, tablets and smartphones.

Features and Benefits



USB Type A



USB Type C

The future of Charging



Charge two devices at the same time at a top speed with evolved 36W power in total.

- **Overvoltage Protection**
- **Undervoltage Protection**
- **Overcurrent Protection**
- **Overload Protection**
- **Short Circuit Protection**

Quick charge

Compatible with multiple protocols like PD 2.0, QC 3.0, QC 2.0, QC 1.0, FCP, AFC, DCP and so on, meet a variety of charging requirements to make sure your devices charged at blazing-fast speeds.

CC / CV (Constant Current / Constant Voltage) Mode Control

As many different types of electronic devices need constant voltage or constant current to operate, USB ports support the way to change the mode of CC / CV in different situation to ensure the process of charging in a good way.

Backflow Protection

It provides the protection to prevent the electric current flow back from your devices to power supply.

Overheating Protection

Build in one heat-sensing component to shut down the charger when excessive heat is generated within the USB receptacle, halting the temperature climb before it damages the device.

Load Line Compensation

Ensure constant charging voltage of USB port to compensate the voltage of cable voltage drop of your devices as needed.

Smart Chip

USB receptacles feature a smart chip that recognizes and optimizes the charging power of your electronic devices for fast and efficient charging of tablets, phones, gaming devices, e-readers and a host of other electronic devices.



Types of USBs

QUICK CHARGE USB RECEPTACLE

Photo	Model	Description	USB Rating	Charging Protocol	NEMA	Special Functions				
						CC / CV	Load Line Compensation	Over heating	Backflow protection	Quick charge
	R1815DPD20AC	USB Power Delivery 2.0	36W	PD 2.0, QC 3.0, AFC, APPLE, Samsung	 5-15R	.	.	.	.	.
	R1820DPD20AC	USB Power Delivery 2.0	36W	PD 2.0, QC 3.0, AFC, APPLE, Samsung	 5-20R	.	.	.	.	.
	R1815DPD20CC	USB Power Delivery 2.0	36W	PD 2.0, QC 3.0, AFC, APPLE, Samsung	 5-15R	.	.	.	.	.
	R1820DPD20CC	USB Power Delivery 2.0	36W	PD 2.0, QC 3.0, AFC, APPLE, Samsung	 5-20R	.	.	.	.	.
	R1815DQC30AA	Quick charge 3.0	36W	QC 3.0, AFC, APPLE, Samsung	 5-15R	.	.	.	.	.
	R1820DQC30AA	Quick charge 3.0	36W	QC 3.0, AFC, APPLE, Samsung	 5-20R	.	.	.	.	.
	R1815DQC30AC	Quick charge 3.0	36W	QC 3.0, AFC, APPLE, Samsung	 5-15R
	R1820DQC30AC	Quick charge 3.0	36W	QC 3.0, AFC, APPLE, Samsung	 5-20R

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