BRYANT®

FREQUENTLY ANSWERED QUESTIONS

USB-C Power Delivery Receptacles

What is a USB charger receptacle?

A combination TR receptacle with 2 USB ports. The receptacle section supplies AC electrical power for appliances. The USB ports provide low voltage power to charge personal electronics.

Where should I use a USB charger receptacle?

Can be used to replace any existing receptacle where the user wants to add the additional ability to charge using USB ports. This is ideal for areas where personal electronics are used and stored.

Will the USB charger receptacle fit in a standard electrical wall box?

Yes, the USB charger receptacle is 1-3/4 inches deep. This is about 1/4 inch deeper than a GFCI. Most single gang boxes are greater than 2 inches deep. Commercial 4 square (1900) boxes are typically 1-1/2 inches deep or greater. A 5/8 inch mud ring is added, which will provide a total depth of 2-1/8 inches.

Will the USB charger receptacle charge most USB powered devices?

The industry has standardized USB Power Delivery and battery charging specification USB BC1.2. Tablets, phones, gaming devices and other products using USB charging are compatible.

How do I know if the USB charger receptacle is providing power?

An LED indicator shows when the device is capable of providing power and when it is charging. If the light is white, power is available. If it is blue, it is charging.

Can I charge two tablets simultaneously?

Yes, the USB charger receptacle delivers up to 52.5W when both ports are in use. If two tablets are charging, the USB PD ports will charge at up to 45W and the convenience port will charge at 5V 1.5amps.

How long does it take to charge an iPad?

It will take approximately two hours to fully charge an iPad from 0% to 100% when charging at 30W.

How much power does the USB charger receptacle consume?

While in sleep mode it will consume less than 0.1 watts. When fully used the ports will consume 55 watts. If the product is used six hours a day for a year, it will consume less than $15.00 @ $0.10 per kilowatt hr. If never used, it will cost about $0.10 per year.

Does the USB charger receptacle provide surge protection?

The USB charger receptacle uses a transformer to isolate the AC power from the DC powered circuitry. It offers inherent protection of the components and to itself.

Does the USB charger receptacle work on a GFCI or AFCI protected circuit?

Yes. We have tested three USB charger receptacles on a circuit, with no negative effects on any products or false tripping.

Why are the USB ports vertically mounted and on the sides of the outlet?

Vertically mounting the ports assures the maximum distance between electrical plugs and USB ports so that they are easy to insert and remove.

How long will the USB charger receptacle last?

The USB charger receptacle has been developed to last many years. It carries a 2 year warranty.

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