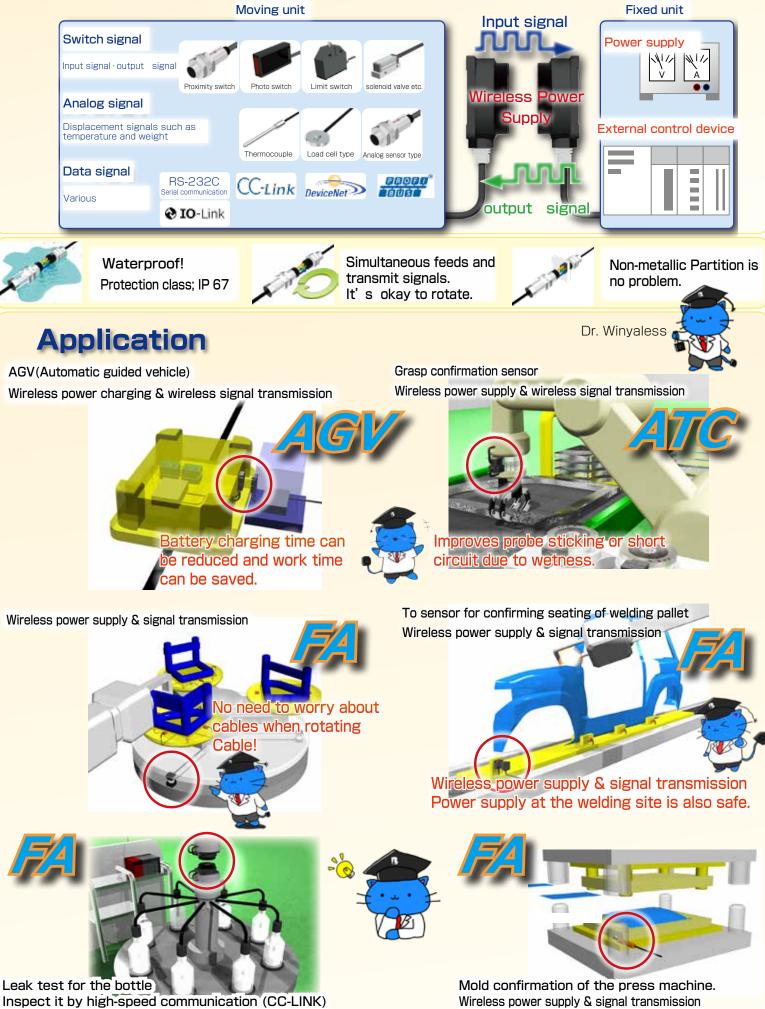


## Function of Remote system

Electromagnetic coupling type • Many related patents

Remote System is a system that transmits the power and the signal wirelessly at the same time. Composed of an output part (base part) and a transmission part (remote part). Movable side connects to proximity, optical sensors and temperature sensors, such as output equipment and solenoid valve. Power supply and control equipment to the fixed side, and controls input/output wirelessly. Moving unit
Fixed unit



# Various product lineup Easy !! Convenient item for mounting the sensor Brackets (with mounting screws) are also available.

Compatible with compact shape and cylindrical shape (M30).

### Remote Sensor system Wireless Power supply+Input signal (Switch or Analog)

Power supplies to various sensors wirelessly and operates various sensors and transmits and detects signal of the sensors. As for the sensors, jig, an index table, a conveyance palette, proximity sensor and optical sensors can be used. CHECK When need to have heat control equipment and die, Analog Signal Transmission type is also available.





RS-232C (Serial) RS-232C



Voltage: 24VDC/ 2A Data Signal transmission CC-Link, DeviceNet, PROFI-BUS



Voltage: 24V DC/1A Data Signal transmission IO-I ink

IO-Link







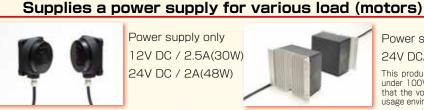
Type specialized in electricity transmission, and use for a robot and AGV and battery charging as the drive power supply of power Moller and the motor.

Various products including the lead battery type as well as a lithium charge type battery are available.

### Wireless Power Supply



Power supply only 24V DC / 1A(24W)



Power supply only 12V DC / 2.5A(30W) 24V DC / 2A(48W)



Power supply only 24V DC/5A (120W)

This products must be used under 100VAC. Please check that the voltage matches the usage environment before use.

#### Wireless Charging



Lead batterv Lithium ion battery 15V DC/34A 30V DC/20A 60V DC/10A (600W)



### Charge to a battery is performed

Lead battery only 120W Type 14.8V DC /2A 29.0V DC/4.3A



Lead battery only 30W Type 14.4V DC/2A

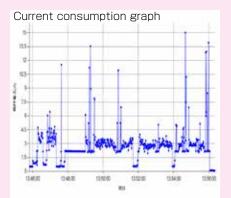
### B&Plus has a lot of product lineup to choose from! Small to large capacity! It's hard to pick but with B&PLUS you can simulation charging! Attach a current logger to your AGV and measure the current by consumption.

#### $\sim$ Steps to submit charging simulation $\sim$ 1. Status check

- ① Check Battery model and battery capacity
- ② Confirm running/stopping time \* Running time/stop time per cycle ③ Confirm consumption current
- Running, stopping and resting time and each current consumptions. ④ Can you charge while paused? Does it stop without charging?
- ⑤ Operating hours per day
- Confirm the operation status of AGV at the time of starting/ending/ lunch break/immediate and whole day

#### 3. Simulation report

Report the results immediately with our special simulation software! A report can be submitted in about one week!

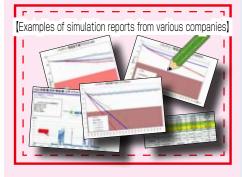


### Benefits of the wireless power charging

### Battery remaining capacity forecast graph (HH) Capacity Runinning 7 minutes Stop 20 seconds Charging 15 minutes Vo charge 8 8 8 8 8 8

Report of good news from users

Spare battery became unnecessary.



#### · With Wireless Power Charging, replacement work became Wireless Power Supply by unnecessary, and it released from heavy work. B & PLUS **K**.**K**.

\* Info may change the mention contents such as specifications without a notice. Thank you for understanding

\* Please refer to the instruction manual. It can be download by HP.

Mail : b-plus-usa@b-plus-kk.com Web : http://www.b-plus-kk.com BN2001Ae 2020 02

#### 2. AGV current consumption measurement

We will measure the current consumption using the current measurement logger with the AGV under consideration.





we will propose the most appropriate charging system from our lineup