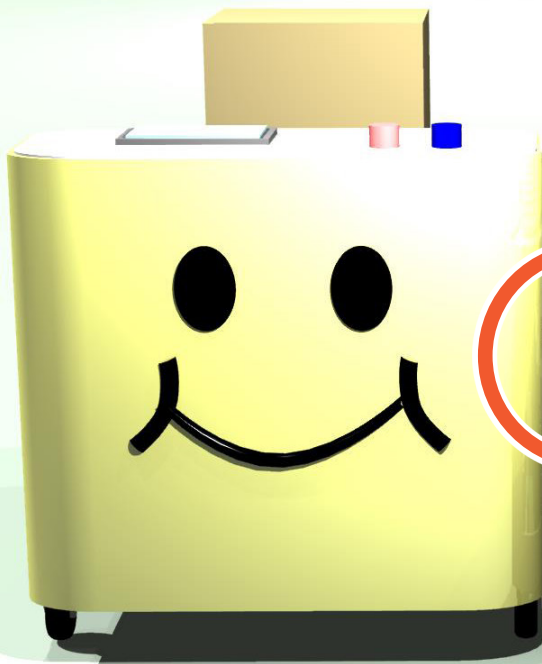


12V Only 600W Wireless charging system

Are there any places that operates AGV with only one 12V battery?

If you have one, you can easily get wireless!



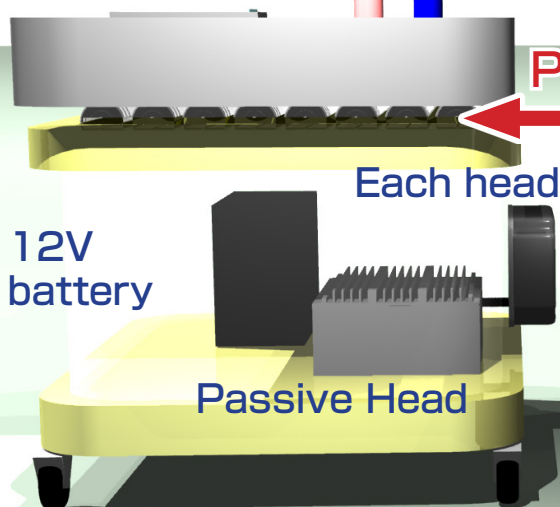
【The "jay" of AGV】



Easily attached to your AGV

【AGV side】

【Station side】



Power supply

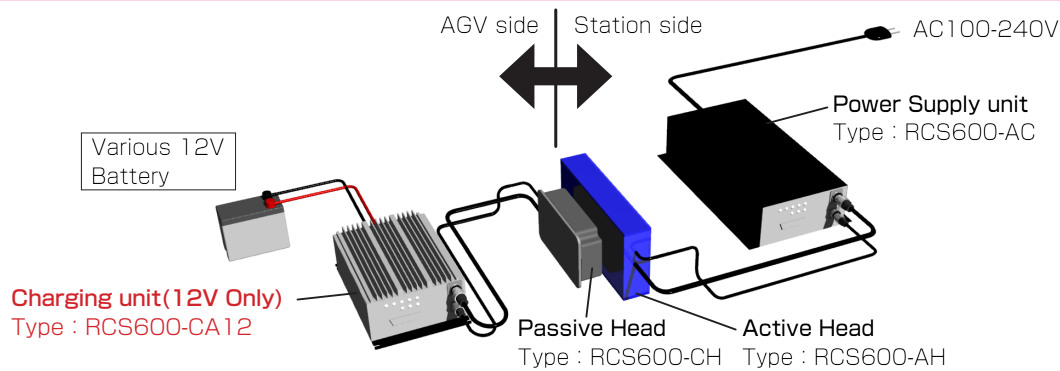
Active Head

Just by facing each other!
Wireless Power Charging!

**B&PLUS AGV Wireless
Charging System**

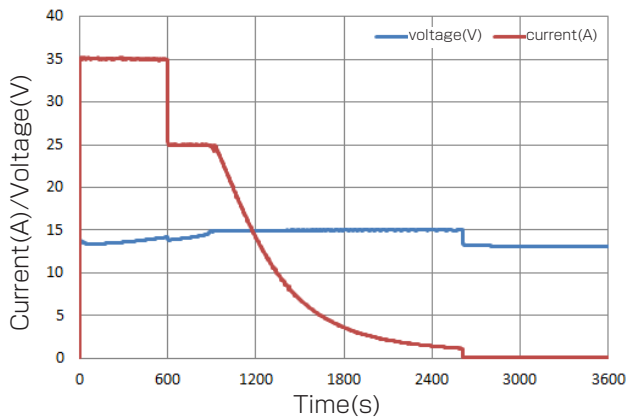
Wireless power supply by
B&PLUS

Diagram



Charge Characteristics

[CC · CV charge graph] Charge Characteristics After Discharge
CC Current 34 A CV Voltage 15 V



About charge control

When the battery is in a discharging state (when the charge is small), constant current control (CC) is performed but when the battery voltage increases to reach the charging voltage setting value, the operation proceeds to constant voltage charging (CV), it will narrow down the charging current so it will not exceed the set voltage. When charging current drops to 1.0 A (± 0.5 A), it is considered to be fully charged and charging is terminated.

[Adjustable range of charge voltage and current]

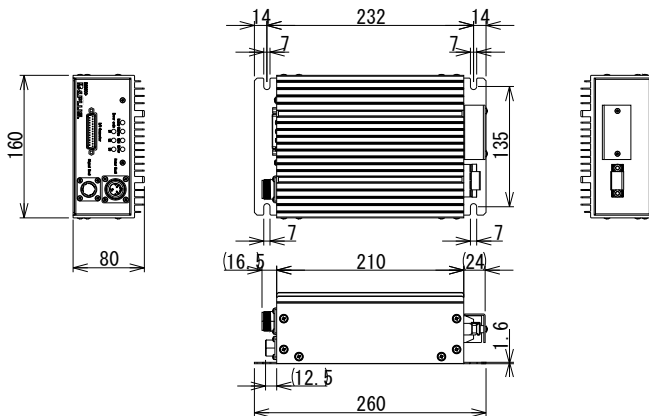
Voltage : 12V ± 0.5V ~ 15V ± 0.5V
Current : 10A ± 0.5A ~ 34A ± 0.5A

[Standard setting]

Voltage : 14.4V ± 0.5V
Current : 34A ± 0.5A

When the current is set beyond the constant current control 25A(Max.34A), the set current exceeding 25A is valid for 10 minutes from the start of charging. However, beyond 10 minutes, the set current is automatically set to 25A. When charging is completed or heads are out of the rated gap, the setting current return beyond the rated current 25A.

Specification

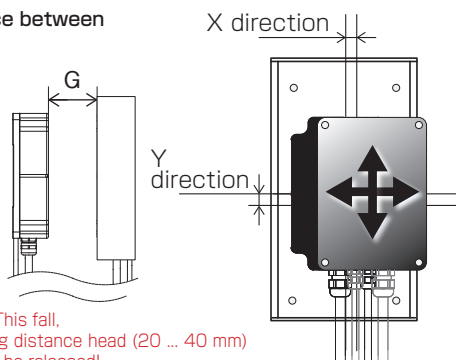


Passive Head (Common to 24V specifications for other products)	
Type code	RCS600-CA12
Output voltage	MAX.15V
Output current	MAX.34A
External input	Charge start signal
External output, LED	Ready, Charge, End, Error, E1...E3
Operating temperature	0...50°C
Protection class	IP40 (Indoor installation type)
Protection circuit (Battery)	Battery high / low temperature protection, Over voltage protection, Over current protection
Material(Case)	Aluminum
Weight	2770 g

Transmission distance

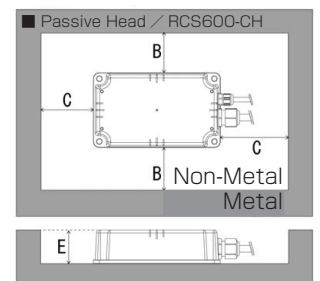
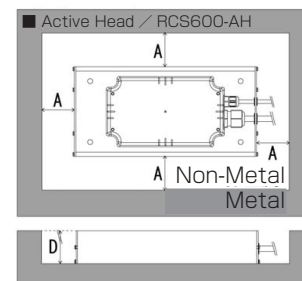
The transmission distance between heads is up to 20 mm.

Direction	Distance
G	0 ~ 20mm
X	± 10mm
Y	± 15mm



* This fall, long distance head (20 ... 40 mm) will be released!

Surrounding metal



	A	B	C	D	E
Active Head RCS600-AH	45			46	
Passive Head RCS600-CH		57.5	87		45

Wireless Power Supply by
B & PLUS K.K.

Mail : b-plus-usa@b-plus-kk.com

Web : <http://www.b-plus-kk.com>

* Info may change the mention contents such as specifications without a notice.

Thank you for understanding

* Please refer to instruction manual or the user's guide. It can be download by HP.

The Jay's story is opend at YOUTUBE !
You can see from the QR code !

