

48V Only 600W Wireless charging system

Do you have a large AGV or golf cart
that operates with a 48V battery?
If you have, why not charge the battery wirelessly?

【Large AGV "Tom"】

【Electric cart "Bee-Cart"】

12V Battery

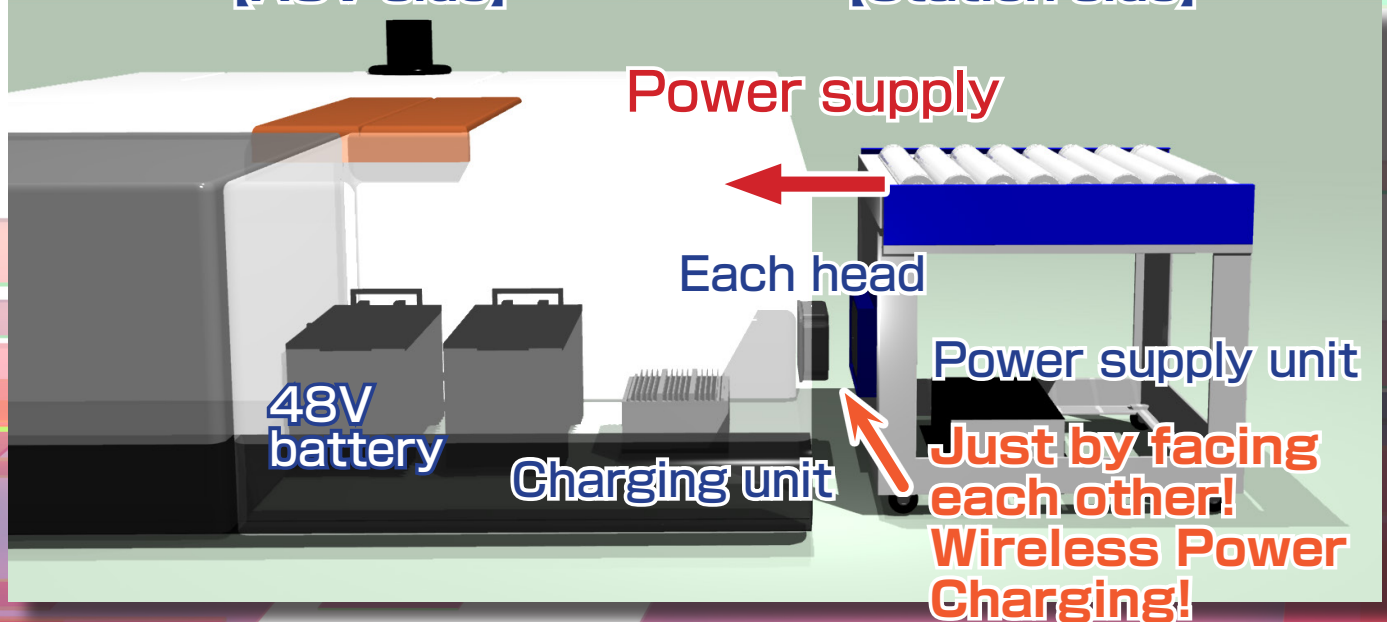
【48V Battery】

BIG

Troubles unique to **large size** →
The battery is **big and heavy** !

【AGV side】

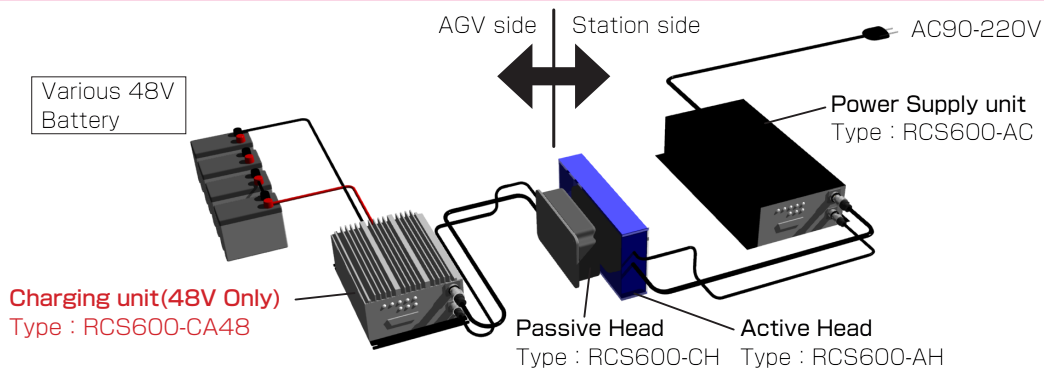
【Station side】



**B&PLUS AGV Wireless
Charging System**

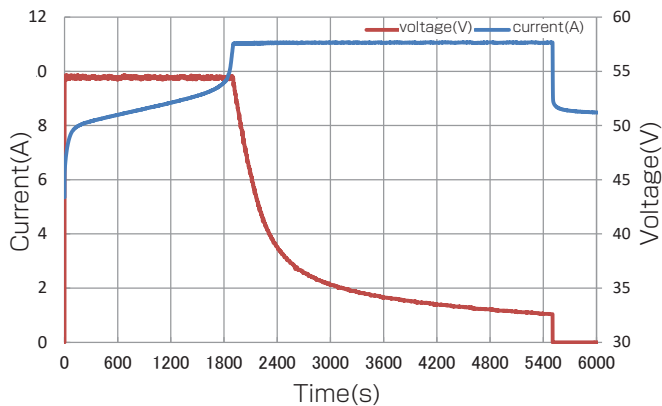
Wireless power supply by
B&PLUS®

Diagram



Charge Characteristics

[CC · CV charge graph] CYCLON-G G-16EP 50% (8Ah)
CC Current 10 A CV Voltage 57.6 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 control (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 : 48V ± 0.5V ~ 60V ± 0.5V

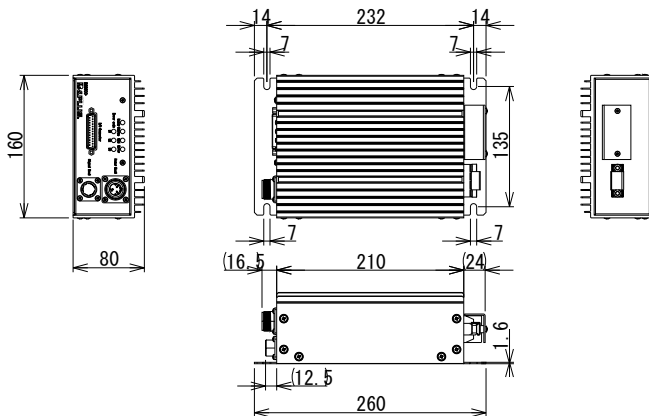
Current : 5A ± 0.5A ~ 10A ± 0.5A

[Standard setting]

Voltage : 57.6V ± 0.5V

Current : 10A ± 0.5A

Specification

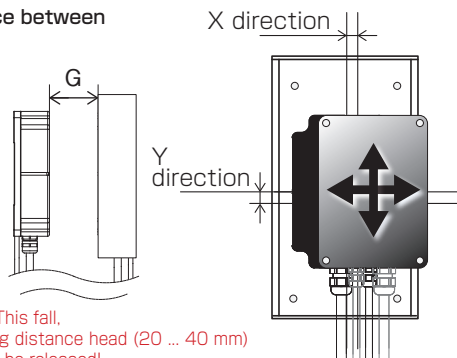


Charging unit (Common to 24V specifications for other products)	
Type code	RCS600-CA48
Output voltage	MAX.60V
Output current	MAX.10A
External input	Charge start signal
External output, LED	Ready, Charge, End, Error, E1...E3
Operating temperature	0...50°C
Protection class	IP40 (Indoor installation type)
Protection circuit (Battery)	Battery high / low temperature protection, Over voltage protection, Over current protection
Material(Case)	Aluminum
Weight	2700 g

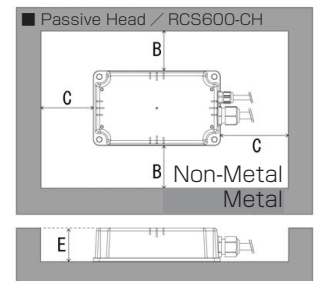
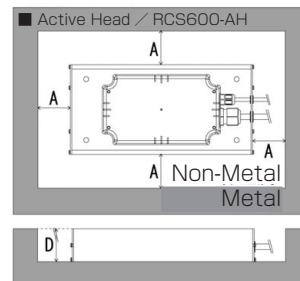
Transmission distance

The transmission distance between heads is up to 20 mm.

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



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.

BN1904Be

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

