



Anybus ComBricks 6A Power Module

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The Anybus 6A Power module provides additional power to the ComBricks backplane in case the Head Station is no longer able to power all inserted modules.

Multiple power modules can work in parallel and their currents are accumulative with a maximum combined current of 12A.

The power modules can also be used as redundant power source for the backplane. Diagnostics of the power modules are available in the web server.



Distinctive features

- Provides 6 A to the backplane
- Maximum combined backplane current: 12 A (provided by all inserted power modules in the least ideal layout)
- 32 Modules (all slots)
- 130 mA current consumption
- 12..30 VDC
- Max. 2 A @ 24 VDC (42 W)
- Reverse polarity protection
- Power: Max. 42W

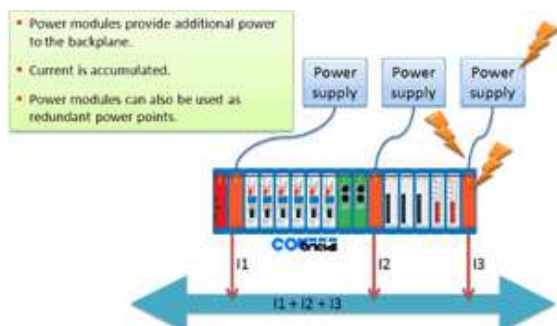


Figure 1 - Backplane current

Dimensions and weight

L x W x H:	133 x 25 x 103 mm (including backplane per module, excluding plug-able connectors)
Weight:	120 g (excluding plug-able connectors, backplane and packing material)
Mounting DIN-rail type	35mm x 7,5mm (EN 50022, BS 5584, DIN 46277-3)

Ambient conditions

Operating temperature range	-20 ^o ... +60 ^o Celsius (for mounting position see manual) -4 ^o ... 158 ^o Fahrenheit
Isolation class	IP 20 (IEC/EN 60529, DIN 40050)

Power supply

Power supply operating voltage range	12 to 24 VDC (tolerance range 6 to 32 VDC)
Typical Current consumption	60 mA at 5.72 VDC (backplane powered)
Power dissipation	Max. 0.34 W at 5.72 (backplane powered)
Reverse polarity protection	Yes
Redundant power supply	Yes (with second PWR-6A module)
Wire diameter	< 2.5 mm ²
<u>Installation notes:</u>	The device shall be supplied from an isolating transformer having a secondary Listed fuse rated either: <ul style="list-style-type: none"> • Maximum 5 amps for voltages 12 to 20 V, or • Maximum 4 amps for voltages 21 to 24 V, or is supplied by a Class 2 power supply, or equivalent.

Backplane

Module position	32 (all slots)
Current available on backplane	6A (including own current consumption typically 130 mA)
Compatible backplane units	101-200011, 101-200022, 101-200023, 101-200024, 101-200027
Installation notes	When using the Power Module, remove power from the Head Station. If power redundancy is required, use two Power Modules. When moving the Power Module to a different slot: remove power before taking out the module.

Connector Lay-out

Power supply	Plug-able screw connector, pitch 5,08 mm Pin 1: - (0 V) Pin 2: + (24 VDC) Pin 3: SH (Shield) SH connected internally to DIN-rail with spring-loaded contact
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LEDs

ERR ON	Input voltage too low, or maximum current
ERR + RUN OFF	No power supply connected


 others

Head Station firmware	V1.265 and later
MTBF	3082529 hours, at 30 ⁰ Celsius, IEC TR 62380

Standard and approvals

CE	EMC Directive 2014/30/EU, class A Digital Device RoHs Directive 2011/65/EU
FCC	47 CFR 15, Unintentional Radiator, class A Digital Device.
UL	Report reference: E468970 Standards for safety: UL 508 - Industrial Control Equipment CSA C22.2 No. 142-M1987 - Industrial Control Equipment

File	Version	Size	Read online
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Ordering Information

Order Codes	101-230010
Included Components	Anybus Combrick, backplane socket
Warranty	1 year

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