



Intelligence in a box.

The DC combiner box Powador Argus.

For connecting large solar fields to our central inverters, we recommend the use of an “intelligent” generator junction box (GJB) – our Powador Argus string monitoring box.

With the Argus, the PV generator can be monitored in detail, faults are detected and are directly evaluated using a monitoring / SCADA system. Of course, the

string fuse and overvoltage protector are included. Yet another feature: the string current can be read directly in the box. Field use has shown that the dimensions of DC lines can vary greatly due to the long cable lengths in systems with central inverters in the upper power range. Thus, the integrated bolt terminals provide universal connection options for various cable diameters. The communication

line is connected using spring terminals. All cable connections are located on the underside of the unit and ensure that neither dirt nor moisture can enter, even if the unit is installed improperly.



Double string monitoring

For 16 or 24 strings

Overtoltage protection

DC switch integrated

Aluminium housing (IP65)

Electrical data	Argus 24S DCS FR
Max. input voltage	1 000 V
Number of DC inputs	24
String current with a fuse size of 8 A	max. 5.2 A
String current with a fuse size of 10 A	5.3 A – 6.4 A
String current with a fuse size of 12 A	6.5 A – 7.7 A
String current with a fuse size of 15 A*	7.8 A – 9.6 A
String current with a fuse size of 20 A	9.7 A – 12.8 A
Max. output current	384 A
Auxiliary power supply DC	24 V**
Power consumption	325 mA
Interface	RS485
DC surge arrester	Type 2 / II

Connections	
String connection +	Screw terminals up to 16 mm ² M40 cable fitting with sealing insert for multiple cables
String connection –	Fuse holder no larger than 10 mm ² M40 cable fitting with sealing insert for multiple cables
DC connection to the inverter	Bolt terminals M12 connection no larger than 240 mm ² M50 cable fitting
RS485 and auxiliary power supply	Spring terminals no larger than 2.5 mm ² M20/25 cable fitting
Earth connection	Protective earth terminal no larger than 16 mm ² M20 cable fitting
DC switch	3

Mechanical data	
Permitted ambient temperature	-25 °C ... +50 °C
Relative humidity (non-condensing)	15 % ... 95 %
Protection rating according to EN 60529	IP65
W x H x D	approx. 800 x 600 x 300 mm
Weight	approx. 36 kg

* Factory installed. ** External power supply is required, stabilised, +/- 10 % on Powador Argus.

Your retailer

The text and figures reflect the current technical state at the time of printing. Subject to technical changes. Errors and omissions excepted. This current version replaces all older versions. Download the most current version at: www.kaco-newenergy.com

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