



Data sheet  
Powador Argus

## Intelligence in a box. Powador Argus string monitoring boxes.

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. Versions 16S DCS and 24S DCS make ideal companions to Powador XP series central inverters. This is the ideal companion to Powador XP series central inverters and is available in several versions to meet the requirements.

With the Argus, the PV generator can be monitored in detail, faults are detected and are directly evaluated using the Powador-proLOG. 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 cen-

tral 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.

# Technical data

Powador Argus 16S DCS | 24S DCS

Electrical data	Argus 16S DCS	Argus 24S DCS
Max. input voltage	1 000 V	1 000 V
Number of DC inputs	16	24
String current with a fuse size of 8 A	max. 5.2 A	max. 5.2 A
String current with a fuse size of 10 A	5.3 A – 6.4 A	5.3 A – 6.4 A
String current with a fuse size of 12 A	6.5 A – 7.7 A	6.5 A – 7.7 A
String current with a fuse size of 15 A*	7.8 A – 9.6 A	7.8 A – 9.6 A
String current with a fuse size of 20 A	9.7 A – 12.8 A	9.7 A – 12.8 A
Max. output current	256 A	384 A
Auxiliary power supply DC	24 V**	24 V**
Power consumption	250 mA	325 mA
Interface	RS485	RS485
DC surge arrester	Type 2 / II	Type 2 / II
Connections		
String connection +	Screw terminals up to 16 mm <sup>2</sup> M40 cable fitting with sealing insert for multiple cables	Screw terminals up to 16 mm <sup>2</sup> M40 cable fitting with sealing insert for multiple cables
String connection –	Spring terminals no larger than 16 mm <sup>2</sup> M40 cable fitting with sealing insert for multiple cables	Spring terminals no larger than 16 mm <sup>2</sup> M40 cable fitting with sealing insert for multiple cables
DC connection to the inverter	Bolt terminals M12 connection no larger than 240 mm <sup>2</sup> M50 cable fitting	Bolt terminals M12 connection no larger than 240 mm <sup>2</sup> M50 cable fitting
RS485 and auxiliary power supply	Spring terminals no larger than 2.5 mm <sup>2</sup> M20/25 cable fitting	Spring terminals no larger than 2.5 mm <sup>2</sup> M20/25 cable fitting
Earth connection	Protective earth terminal no larger than 16 mm <sup>2</sup> M20 cable fitting	Protective earth terminal no larger than 16 mm <sup>2</sup> M20 cable fitting
DC switch	2	3
Mechanical data		
Permitted ambient temperature	-25 °C ... +50 °C	-25 °C ... +50 °C
Relative humidity (non-condensing)	15 % ... 95 %	15 % ... 95 %
Protection rating according to EN 60529	IP65	IP65
W x H x D	approx. 800 x 600 x 300 mm	approx. 800 x 600 x 300 mm
Weight	approx. 32 kg	approx. 34 kg

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

# Technical data

Powador Argus 16S DCS FR | 24S DCS FR

Electrical data	Argus 16S DCS FR	Argus 24S DCS FR
Max. input voltage	1 000 V	1 000 V
Number of DC inputs	16	24
String current with a fuse size of 8 A	max. 5.2 A	max. 5.2 A
String current with a fuse size of 10 A	5.3 A – 6.4 A	5.3 A – 6.4 A
String current with a fuse size of 12 A	6.5 A – 7.7 A	6.5 A – 7.7 A
String current with a fuse size of 15 A*	7.8 A – 9.6 A	7.8 A – 9.6 A
String current with a fuse size of 20 A	9.7 A – 12.8 A	9.7 A – 12.8 A
Max. output current	256 A	384 A
Auxiliary power supply DC	24 V**	24 V**
Power consumption	250 mA	325 mA
Interface	RS485	RS485
DC surge arrester	Type 2 / II	Type 2 / II
Connections		
String connection +	Screw terminals up to 16 mm <sup>2</sup> M40 cable fitting with sealing insert for multiple cables	Screw terminals up to 16 mm <sup>2</sup> M40 cable fitting with sealing insert for multiple cables
String connection –	Fuse holder no larger than 10 mm <sup>2</sup> M40 cable fitting with sealing insert for multiple cables	Fuse holder no larger than 10 mm <sup>2</sup> M40 cable fitting with sealing insert for multiple cables
DC connection to the inverter	Bolt terminals M12 connection no larger than 240 mm <sup>2</sup> M50 cable fitting	Bolt terminals M12 connection no larger than 240 mm <sup>2</sup> M50 cable fitting
RS485 and auxiliary power supply	Spring terminals no larger than 2.5 mm <sup>2</sup> M20/25 cable fitting	Spring terminals no larger than 2.5 mm <sup>2</sup> M20/25 cable fitting
Earth connection	Protective earth terminal no larger than 16 mm <sup>2</sup> M20 cable fitting	Protective earth terminal no larger than 16 mm <sup>2</sup> M20 cable fitting
DC switch	2	3
Mechanical data		
Permitted ambient temperature	-25 °C ... +50 °C	-25 °C ... +50 °C
Relative humidity (non-condensing)	15 % ... 95 %	15 % ... 95 %
Protection rating according to EN 60529	IP65	IP65
W x H x D	approx. 800 x 600 x 300 mm	approx. 800 x 600 x 300 mm
Weight	approx. 34 kg	approx. 36 kg

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



## Powador Argus

Separate monitoring  
for each string

For 16 or 24 strings

Overvoltage protection

DC switch integrated

Aluminium housing (IP65)

Your retailer

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