

Product Specification

KEEP INNOVATING

Easier and Safer Operating SERIES



The Best DC Components for The Best Result.

ABOUT ZJBENY

Top 1 manufacturer of DC components and combiner boxes in China. With more than 10 years experience in solar DC solutions designing, producing and testing.

We are one of the manufacturers own the DC electrical cycle tester in China, the test equipment is important for keeping the DC switch at high quality level.

The first DC switch listed by UL508i.

The standard DC isolator recommended by Clean Energy Council Australia.

ZJBENY is supplying reliable DC components to top inverter companies and EPCs worldwide.

1000V 1500V solar solutions DC side and AC side is available.

AC COMBINER BOX

FOR UP TO 4* 80KW INVERTERS

Solar string inverters are used more and more in the solar PV plants, requires reliable combiner and protection at AC side. BBWX-4 is a solution with AC MCCB build-in for AC inputs and output, type 2 AC SPD for over-voltage protection.

Customized solutions are available for different projects requirements.

Features:

- ☑ 3 phase inverter protection
- ☑ AC breaker or NH00 fuse switch for option
- ☑ Rated voltage 230V/400V
- ☑ 4 AC input
- ☑ 1 AC output



Model	BBWX-4		
Grid topology	TN-S (5-conductor system:L1, L2, L3, PE, N)		
Rated Voltage (UN)	230V/400V		
Rated Insulation Voltage (Ui)	690V		
Frequency	50Hz/60Hz		
Operating Temperature	-25 °C up to +60 °C		
Enclosure	Up to IP65 (IEC 60529) / IK 10 (IEC62262)		
Material	Powder Coating Metal		
Dimension	180*80*40cm		
AC Input			
Number (Inverter)	4 *up to 50KW solar inverters	4 *up to 60KW solar inverters	4 *up to 80KW solar inverters
AC Breaker	4*230V/400V 160	A4*230V/400V 200A	4*230V/400V 250A
Rated Current per Input (Inc)	Up to 160A	Up to 200A	Up to 250A
Connection	Via V-clamp (for Al and Cu cables)		
AC Output			
Number	1 per phase (Optionally 2)		
AC Breaker	1*230V/400V 630A	1*230V/400V 800A	1*230V/400V 1000A
Rated Current Output(InA)	630A	800A	1000A
ConnectionVia	V-clamp (for Al and Cu cables)		
Surge Protection Device			
Type	Type 2 275VAC 4P		

AC COMBINER BOX

FOR UP TO 6* 80KW INVERTERS

Solar string inverters are used more and more in the solar PV plants, requires reliable combiner and protection at AC side. BBWX-6 is a solution with AC MCCB build-in for AC inputs and output, type 2 AC SPD for over-voltage protection.

Customized solutions are available for different projects requirements.

Features:

- ☑ 3 phase inverter protection
- ☑ AC breaker or NH00 fuse switch for option
- ☑ Rated voltage 230V/400V
- ☑ 6 AC input
- ☑ 1 AC output



Model	BBWX-6		
Grid topology	TN-S (5-conductor system:L1, L2, L3, PE, N)		
Rated Voltage (UN)	230V/400V		
Rated Insulation Voltage (Ui)	690V		
Frequency	50Hz/60Hz		
Operating Temperature	-25 °C up to +60 °C		
Enclosure	Up to IP65 (IEC 60529) / IK 10 (IEC62262)		
Material	Powder Coating Metal		
Dimension	180*80*40cm		
AC Input			
Number (Inverter)	6 *up to 50KW solar inverters	6 *up to 60KW solar inverters	6 *up to 80KW solar inverters
AC Breaker	6*230V/400V 160A	6*230V/400V 200A	6*230V/400V 250A
Rated Current per Input (Inc)	Up to 160A	Up to 200A	Up to 250A
Connection	Via V-clamp (for Al and Cu cables)		
AC Output			
Number	1 per phase (Optionally 2)		
AC Breaker	1*230V/400V 1000A	1*230V/400V 1250A	1*230V/400V 1600A
Rated Current Output(InA)	1000A	1250A	1600A
ConnectionVia	V-clamp (for Al and Cu cables)		
Surge Protection Device			
Type	Type 2 275VAC 4P		

AC COMBINER BOX

FOR UP TO 4* 80KW INVERTERS

Solar string inverters are used more and more in the solar PV plants, requires reliable combiner and protection at AC side. BBWX-4 is a solution with AC MCCB build-in for AC inputs and output, type 2 AC SPD for over-voltage protection.

Customized solutions are available for different projects requirements.

Features:

- ☑ 3 phase inverter protection
- ☑ AC breaker or NH00 fuse switch for option
- ☑ Rated voltage 690V
- ☑ 4 AC input
- ☑ 1 AC output



Model	BBWX-4		
Grid topology	TN-S (5-conductor system:L1, L2, L3, PE, N)		
Rated Voltage (UN)	690V		
Rated Insulation Voltage (Ui)	800V		
Frequency	50Hz/60Hz		
Operating Temperature	-25 °C up to +60 °C		
Enclosure	Up to IP65 (IEC 60529) / IK 10 (IEC62262)		
Material	Powder Coating Metal		
Dimension	180*80*40cm		
AC Input			
Number (Inverter)	4 *up to 80KW solar inverters	4 *up to 110KW solar inverters	4 *up to 138KW solar inverters
AC Breaker	4*690V 160A	4*690V 200A	4*690V 250A
Rated Current per Input (Inc)	Up to 160A	Up to 200A	Up to 250A
Connection	Via V-clamp (for Al and Cu cables)		
AC Output			
Number	1 per phase (Optionally 2)		
AC Breaker	1*690V 630A	1*690V 800A	1*690V 1000A
Rated Current Output(InA)	630A	800A	1000A
ConnectionVia	V-clamp (for Al and Cu cables)		
Surge Protection Device			
Type	Type 2AC 4P		

AC COMBINER BOX

FOR UP TO 6* 80KW INVERTERS

Solar string inverters are used more and more in the solar PV plants, requires reliable combiner and protection at AC side. BBWX-6 is a solution with AC MCCB build-in for AC inputs and output, type 2 AC SPD for over-voltage protection.

Customized solutions are available for different projects requirements.

Features:

- ☑ 3 phase inverter protection
- ☑ AC breaker or NH00 fuse switch for option
- ☑ Rated voltage 690V
- ☑ 6 AC input
- ☑ 1 AC output



Model	BBWX-6		
Grid topology	TN-S (5-conductor system:L1, L2, L3, PE, N)		
Rated Voltage (UN)	690V		
Rated Insulation Voltage (Ui)	800V		
Frequency	50Hz/60Hz		
Operating Temperature	-25 °C up to +60 °C		
Enclosure	Up to IP65 (IEC 60529) / IK 10 (IEC62262)		
Material	Powder Coating Metal		
Dimension	194*100*40cm		
AC Input			
Number (Inverter)	6 *up to 80KW solar inverters	6 *up to 110KW solar inverters	6 *up to 138KW solar inverters
AC Breaker	6*690V 160A	6*690V 200A	6*690V 250A
Rated Current per Input (Inc)	Up to 160A	Up to 200A	Up to 250A
Connection	Via V-clamp (for Al and Cu cables)		
AC Output			
Number	1 per phase (Optionally 2)		
AC Breaker	1*690V 1000A	1*690V 1250A	1*690V 1600A
Rated Current Output(InA)	1000A	1250A	1600A
ConnectionVia	V-clamp (for Al and Cu cables)		
Surge Protection Device			
Type	Type 2AC 4P		

AC COMBINER BOX

FOR UP TO 4* 100KW INVERTERS

Solar string inverters are used more and more in the solar PV plants, requires reliable combiner and protection at AC side. BBWX-4 is a solution with AC MCCB build-in for AC inputs and output, type 2 AC SPD for over-voltage protection.

Customized solutions are available for different projects requirements.

Features:

- ☑ 3 phase inverter protection
- ☑ AC breaker or NH00 fuse switch for option
- ☑ Rated voltage 800V
- ☑ 4 AC input
- ☑ 1 AC output



Model	BBWX-4		
Grid topology	TN-S (5-conductor system:L1, L2, L3, PE, N)		
Rated Voltage (UN)	800V		
Rated Insulation Voltage (Ui)	1000V		
Frequency	50Hz/60Hz		
Operating Temperature	-25 °C up to +60 °C		
Enclosure	Up to IP65 (IEC 60529) / IK 10 (IEC62262)		
Material	Powder Coating Metal		
Dimension	154*80*40cm		
AC Input			
Number (Inverter)	4 *up to 100KW solar inverters	4 *up to 120KW solar inverters	4 *up to 160KW solar inverters
AC Breaker	4*800V 160A	4*800V 200A	4*800V 250A
Rated Current per Input (Inc)	Up to 160A	Up to 200A	Up to 250A
Connection	Via V-clamp (for Al and Cu cables)		
AC Output			
Number	1 per phase (Optionally 2)		
AC Breaker	1*800V 630A	1*800V 800A	1*800V 1000A
Rated Current Output(InA)	1000A	1250A	1600A
ConnectionVia	V-clamp (for Al and Cu cables)		
Surge Protection Device			
Type	Type 2AC 4P		

AC COMBINER BOX

FOR UP TO 6* 100KW INVERTERS

Solar string inverters are used more and more in the solar PV plants, requires reliable combiner and protection at AC side. BBWX-4 is a solution with AC MCCB build-in for AC inputs and output, type 2 AC SPD for over-voltage protection.

Customized solutions are available for different projects requirements.

Features:

- ☑ 3 phase inverter protection
- ☑ AC breaker or NH00 fuse switch for option
- ☑ Rated voltage 800V
- ☑ 6 AC input
- ☑ 1 AC output



Model	BBWX-6		
Grid topology	TN-S (5-conductor system:L1, L2, L3, PE, N)		
Rated Voltage (UN)	800V		
Rated Insulation Voltage (Ui)	1000V		
Frequency	50Hz/60Hz		
Operating Temperature	-25 °C up to +60 °C		
Enclosure	Up to IP65 (IEC 60529) / IK 10 (IEC62262)		
Material	Powder Coating Metal		
Dimension	194*100*40cm		
AC Input			
Number (Inverter)	6 *up to 100KW solar inverters	6 *up to 120KW solar inverters	6 *up to 160KW solar inverters
AC Breaker	6*800V 160A	6*800V 200A	6*800V 250A
Rated Current per Input (Inc)	Up to 160A	Up to 200A	Up to 250A
Connection	Via V-clamp (for Al and Cu cables)		
AC Output			
Number	1 per phase (Optionally 2)		
AC Breaker	1*800V 1000A	1*800V 1250A	1*800V 1600A
Rated Current Output(InA)	1000A	1250A	1600A
ConnectionVia	V-clamp (for Al and Cu cables)		
Surge Protection Device			
Type	Type 2AC 4P		