Specifications and technical data are subject to change without notice.
Please contact to confirm relevant information on ordering.

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PHOTOVOLTAIC PRODUCT

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EBASEE

Smart Living Green Ebasee

PHOTOVOLTAIC PRODUCT

COMPANY PROFILE

As a leading supplier in the low voltage electrical industry, Shanghai Ebasee Electric Co., Ltd. products have been used for residential, commercial and industrial applications. EBASEE brand is recognized for its quality and reliability in an ever-increasing number of markets worldwide. So far EBASEE products have been testified by international labs including BV, TUV, Intertek, with KEMA, CB, SEMKO, RoHS, CE, and CCC etc.

With qualified raw materials and components supply, all products are manufactured by EBASEE's defined international specifications. We have 4 semi-auto production lines, up-to-date quality control facilities, well-trained and experienced workers. Moreover, with a technical R & D team and fully equipped CNAS laboratory, EBASEE factory can carry out efficient new products development, daily production and QC.

EBASEE have a wide range of cooperations with world leading companies in new products development, OEM and ODM cooperation. Meanwhile, we process the idea of green and smart energy, working with universities such as Xi'an Jiao Tong University to get more intelligent and environmental-friendly electric solutions.

EBASEE focused on achieving growth through the success of worldwide partners. Guided by the philosophy of "customer-oriented", powered by the idea of "quick response and flexible supply", EBASEE support our worldwide partners to compete against established players, to deliver the most systematic and cost-effective products and service in the market.

"Smart Living, Green EBASEE"

01 Verified Custom Manufacturer

02 Supplier of Fortune 500 Companies

03 Registered Trademarks

Quality is our culture!

CERTIFICATE

EBASEE products have been approved by international labs including BV, TUV, Intertek CQC, with KEMA, CB, SEMKO, RoHS, CE, and CCCs etc.

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ABS Flame retardant
UV resistance

Adopt high-quality sealing glue to ensure the waterproof performance reaches IP65.

ground wire
output port -
output port +
input port +
input port -

Use high-strength springs to make box easy to open and close.

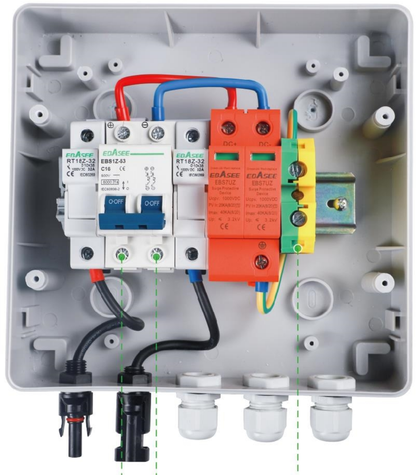
D

1.General

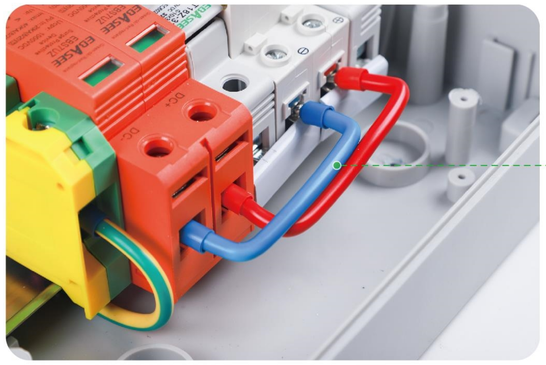
BX-P-03 series PV combiner box can be organized as 1 to 6 input and is designed for providing overcurrent and overvoltage protection to enhance the protection and reliability of the inverter operating in MAX input voltage DC550V and DC1000V solar system.

The design and configuration of the BX-P-03 series PV combiner box strictly comply with CGC/GF 037:2014 standard, is made of ABS bottom & PVC cover, waterproof grade up to IP65, and flame retardant, temperature rise, impact resistance, UV resistance, etc., will be strictly tested before delivery.

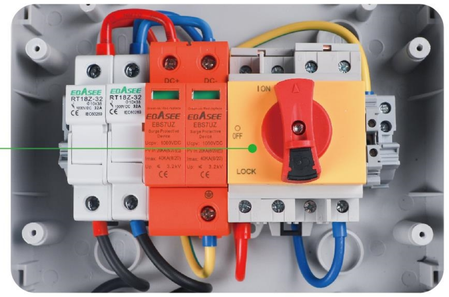
Can be specially customized according to user requirements.



output port +
output port -
ground wire



To save user time & bring convenience, pre-installed cables are approved!



Another solution:
DC circuit breaker can be replaced by DC isolation switch.

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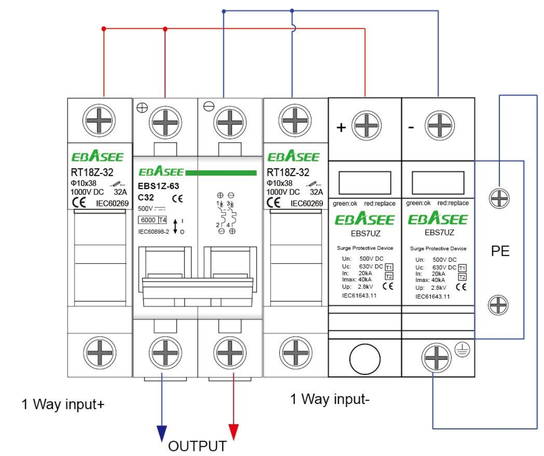
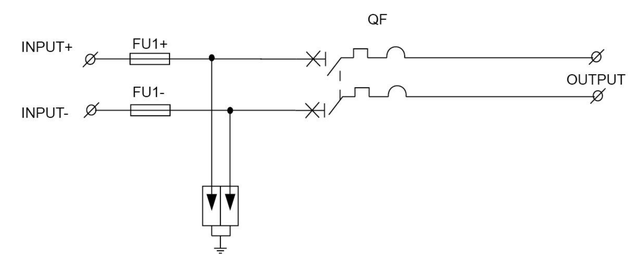
2.Specifications

Model	1/1		2/1		4/1		4/2		6/1
	Electric Parameter								
Number of inputs strings	1		2		4		4		6
Max.Rated voltage DC	550V	1000V	550V	1000V	550V	1000V	550V	1000V	1000V
Material of box	ABS/PVC								
Maximum input current for each string	15A								
Maximum output switch current	16/20A	16/20A	20/32A	20/32A	50/63A	50/63A	20/32A	20/32A	63A
Number of outputs strings	1	1	1	1	1	1	2	2	1
	Lightening Protection								
Category of test	Ⅱ grade protection								
Nominal discharge current	20kA								
Maximum discharge current	40kA								
Poles of DC surge protector	2Poles	3Poles	2Poles	3Poles	2Poles	3Poles	2Poles	3Poles	3Poles
Voltage protection level Up	2.8kV	3.8kV	2.8kV	3.8kV	2.8kV	3.8kV	2.8kV	3.8kV	3.8kV
Maximum continuous operating voltage Uc	630V	1050V	630V	1050V	630V	1050V	630V	1050V	1050V
Structure characteristic	Plug-push module								
	Product system								
Protection grade	IP65								
Solar connector EMC4	Standard								
PG gland	Standard								
DC fuse	Standard								
DC SPD	Standard								
DC circuit breaker	Option 1								
DC isolation switch	Option 2								
Installation method	Surface mounting type								
Ambient temperature range	-25°C~+55°C								
Altitude	2000m								
Permissible relative humidity	0-95% no condensation								

3.Connection Diagram

Model 1/1: 550V DC





Please contact us for other models' wiring diagram.

4.Order Note

Following items should be marked when ordering	Ordering sample
Product name, code & model Max.Rated Voltage DC Quantity	To order the BX-P-03 DC Combinner Box, 1 input 1 output, Max.Rated Voltage DC is 550VDC,and quantity is 100pieces, if you prefer option 1 DC circuit breaker as output, should be marked: DC combinner box BX-P-03/1in1out/550VDC, DC circuit breaker as output, 100PCS.