



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

 No.18, Gutang Rd, Shanghai 201209, China  
 +86 21 5032 0898  
 +86 21 5032 0828  
 info@ebasee.com  
 www.ebasee.com



**Ebasee**  
Smart Living Green Ebasee



**CONTROL ELECTRIC**



Copy right reserved EBS.NO.2021001



# COMPANY PROFILE

As a leading supplier in the low voltage electrics industry, Shanghai Ebasee Electric Co., Ltd. products have been used for residential, commercial and industrial applications with its quality and service. EBASEE brand is recognized for its quality and reliability in an ever-increasing number of markets worldwide. So far EBASEE products have been approved 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 in-house 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 electric solutions.

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

"Smart life, Green EBASEE"



Quality is our culture!

## PRODUCTION LINE



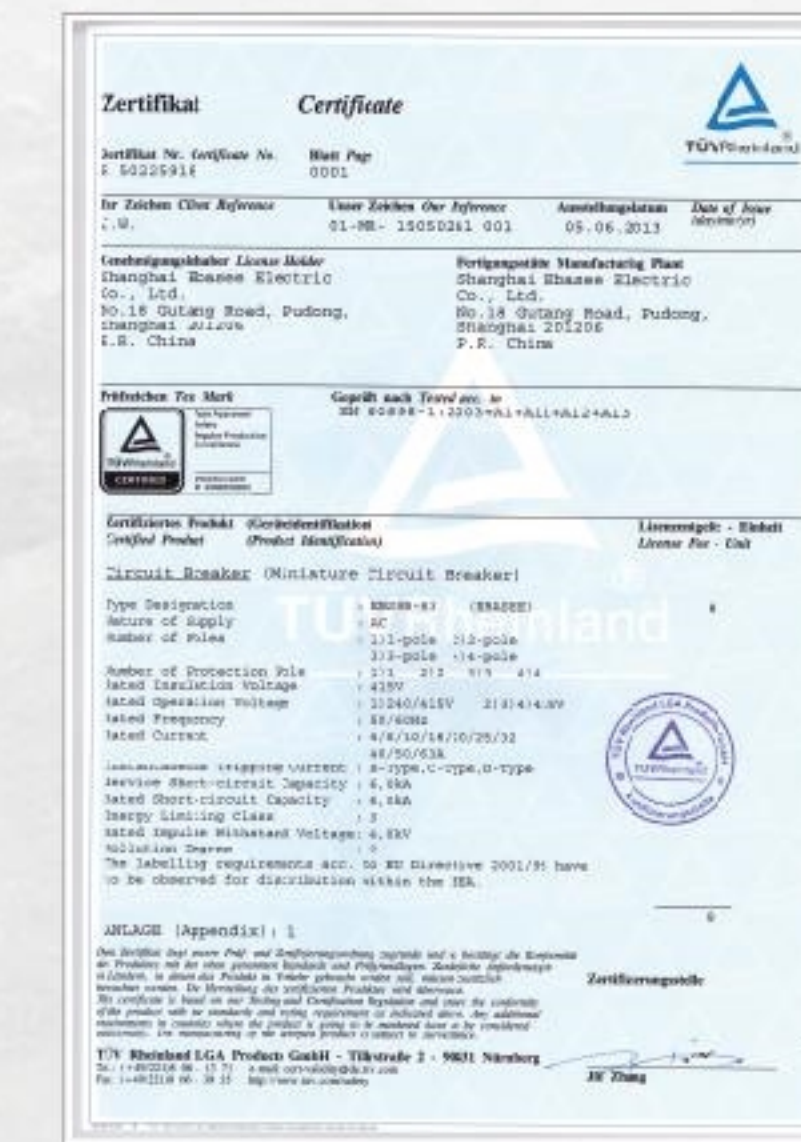
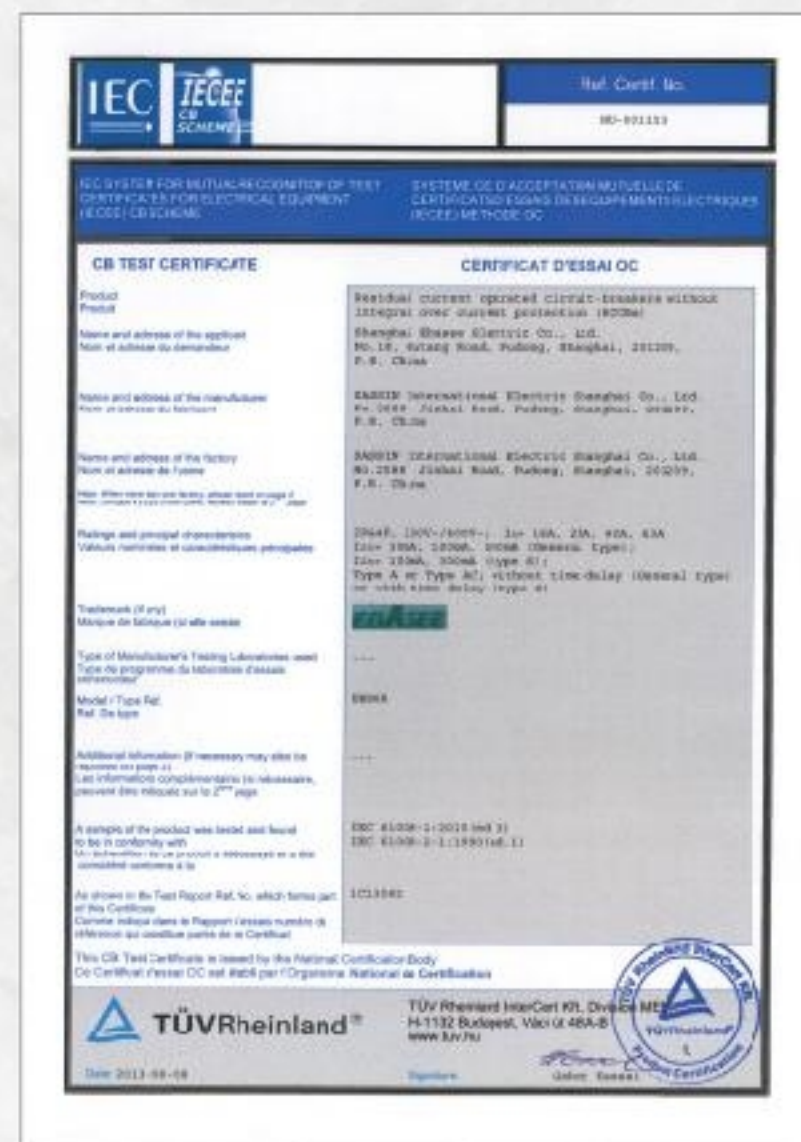


# SMART LIVING GREEN EBASEE



## INTERNATIONAL QUALITY CERTIFICATE

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





## 1. Function

EBS2UZ DC surge arrester is to be installed in 1000V DC system for PV application and other DC application. The product is to be installed in lightning protection zone between LPZ1 to LPZ2 for PV system DC side and other DC distribution box. It will provide surge protection against lightning strike and other surge current.



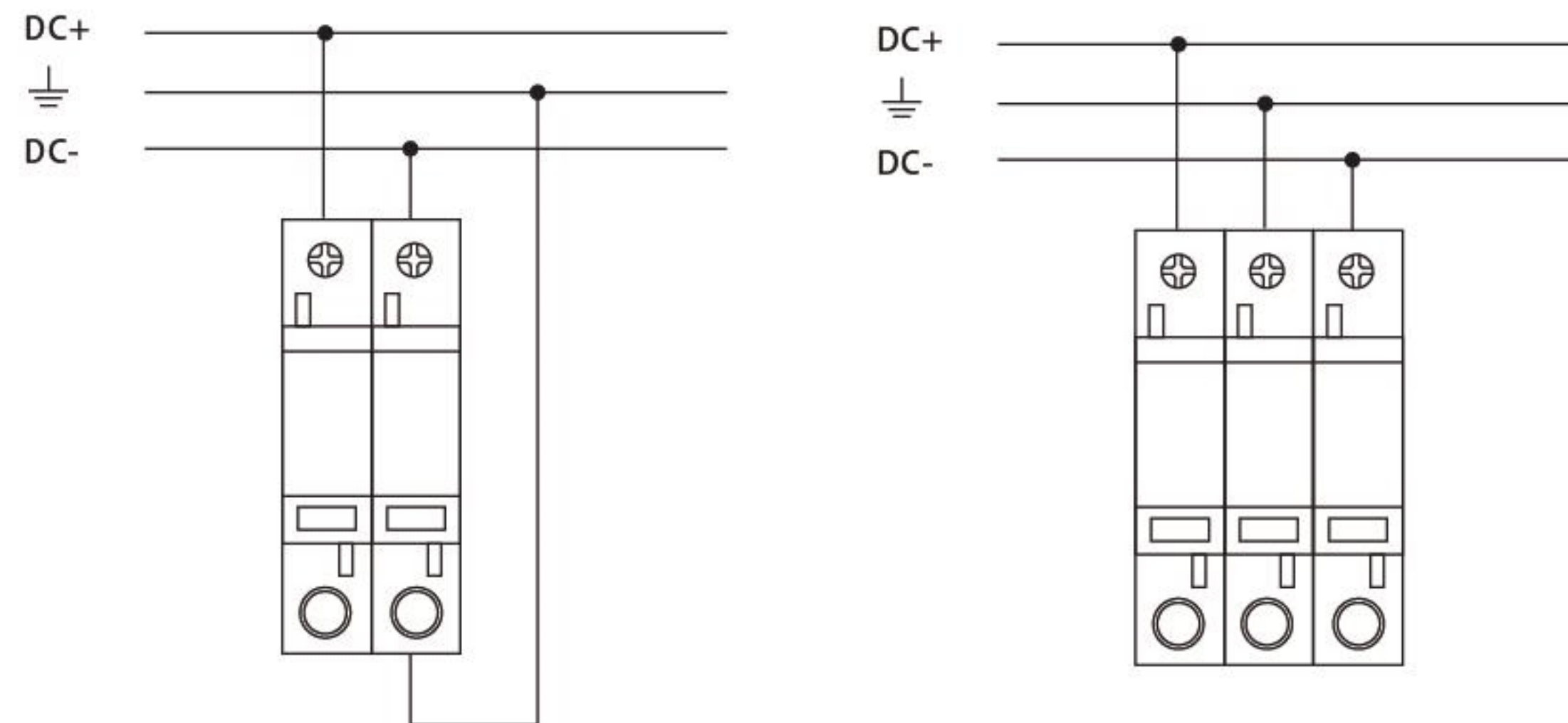
## 2. Nomenclature

EBS 2UZ - 60 / D 10 / 1P

- Poles: 2P, 3P
- Rated release current: 5, 10, 15, 20kA
- Protect level: TYPE 2
- Max. release current: 10, 20, 40kA
- Design code
- Company code

## 3. Installation

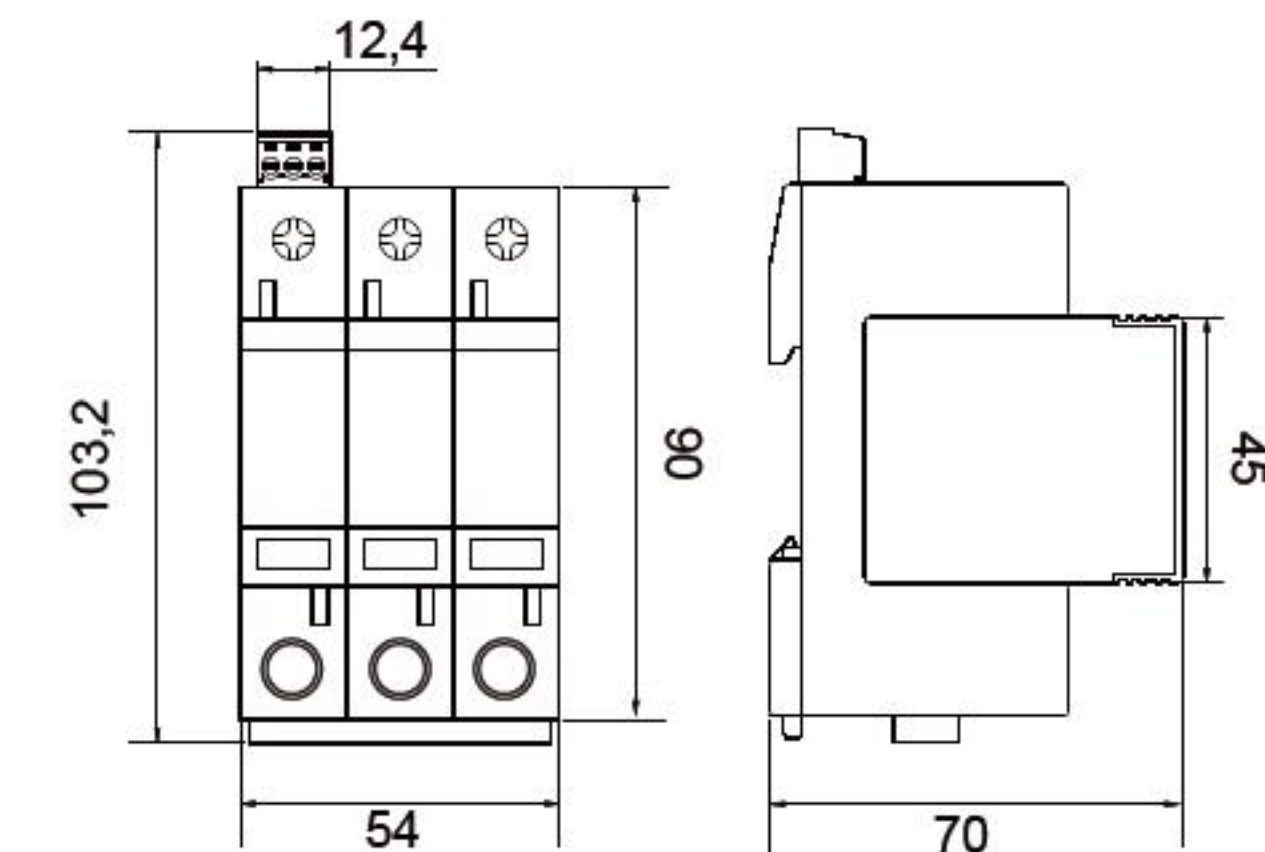
EBS2UZ should be installed as following in 1000V DC PV system or other DC system:



## 4. Specifications

Type	Standard	IEC/EN 61643-1	
Electrical features	SPD Type		TYPE2
	Max. Continuous operating a.c.voltageVoltage UCPV	V	DC1000
	Nominal discharge current (8/20μs) In	A	20k
	Max. discharge current (8/20μs) I <sub>max</sub>	A	40k
	Voltage protection level U <sub>p</sub>	V	< 3.8kV
	Short circuit withstand ISCPV	A	1000
	Location		Indoor
	SPD failure behavior		open circuit mode
	Residual current IPE ac. and dc.		500μA; 50μA
	Response time		25ns
	Follow current extinguishing capability a.c.		No follow current
	Operating temperature and humidity	°C	-40~+70 5% to 95%
	Enclosure material		PA-6V0
	Protection Level		IP2X
Installation	Terminal connection type		Cable
	Terminal size top / bottom for cable	mm <sup>2</sup>	25
		AWG	18-3
	Terminal size top / bottom for busbar	mm <sup>2</sup>	25
		AWG	18-3
	Tightening torque	N*m	2.5
		In-lbs	18
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
Connection		From top and bottom	

## 5. Dimensions





## 6. Routine maintenance

- The SPD should be checked from time to time to make sure that the indicator is green colour.
- The SPD should not be rewired once the installation is done. The earthing cable should be as short as possible.
- The SPD should be changed once the indicator turns to red.

## 7. Order Note

Following items should be marked when ordering	Ordering sample
Product name, model & protection level	To order the EBS2UZ Surge Protector, $I_{max}=40kA$ $I_n=10kA$ , protection level is TYPE2, 1 Poles, $U_c=1000$ and quantity is 100 pieces, should be marked: surge protector EBS2UZ-40/10/1P/1000, 100PCS.
Poles	
Max.release current	
Max.continuous working voltage	
Quantity	