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

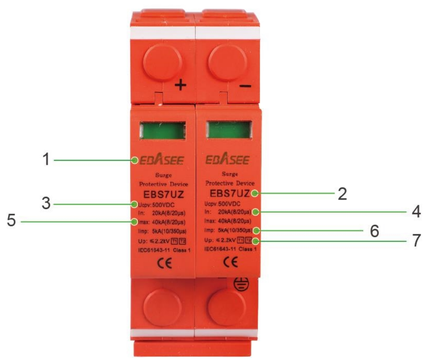
EBASEE products have been approved by international labs including BV, TUV, Intertek CQC, with KEMA, CB, SEMKO, RoHS, CE, and CCCs etc.

1.General

The EBS7UZ series DC surge protectors are designed to prevent damage caused by lightning surges and transient overvoltages to DC power supply systems and electrical equipment, ensuring the safety of both the devices and users. They are widely used for DC power protection in various systems, including photovoltaic power generation systems, mobile communication base stations, microwave communication stations, telecommunication rooms, factories, civil aviation, finance, securities, and other DC power supply systems.

2.Nomenclature

1. Company code
2. Design code
3. Maximum continuous operating voltage
4. Nominal discharge current
5. Maximum discharge current
6. Lightning impulse current
7. Protection level



3.Specifications

Standard		IEC61643-1	
Poles		2P	3P
Rated Operating Voltage		DC500V 600V 800V 1000V 1200V 1500V	
Maximum Continuous Operating Voltage (Uc(L-N))		DC1500V	
Maximum Discharge Current (Imax8/20μs)		40kA	
Rated Discharge Current (Ln(L-N)(8/20μs))		20kA	
Voltage Protection Level (Up(L-N)(8/20μs))		≤3.8kV	
Recommended Series Overcurrent Protection Device		63A/25kA	
Response Time (tA(L-N))		≤25ns	
Altitude		≤2000m	
Installation Conductor Cross-Section		4-35mm²	
Installation Method		35mm Standard Rail	
Operating Environment		-40°C~+70°C	
Enclosure Material		Plastic, UL94 V-0 compliant	
Protection Level		IP20	
Remote Signal Alarm		Normally Open or Closed Terminal (optional)	
Remote Signal Interface Wire Capacity		Maximum 1.5mm²	
Terminal size top/ bottom for cable	mm²	25	
	AWG	18-3	
Terminal size top/ bottom for busbar	mm²	25	
	AWG	18-3	
Tightening torque	N*m	2.5	
	In-lbs	18	

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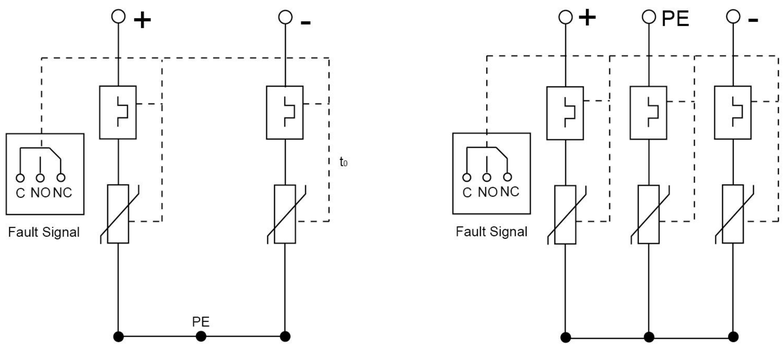
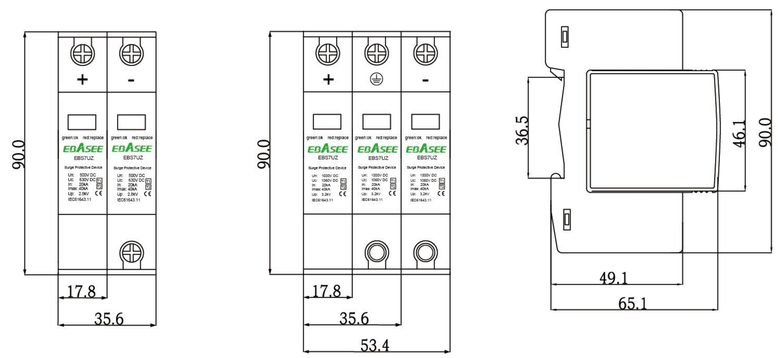
4.Connection Diagram



5.Dimensions



6.Order Note

Following items should be marked when ordering	Ordering sample
Product name, model & protection level Poles Max.release current Max.continuous working voltage Quantity	To order the EBS7UZ Surge Protector, Imax=40kA In=10kA, protection level is type2, 1 Poles, Uc=1000 and quantity is 100 pieces, should be marked: Surge protector EBS7UZ-40/10/1P/1000, 100PCS.