

SPD Certificate Verification Checklist Before Bulk Orders

A practical buyer checklist for importers, distributors, OEM buyers, EPC contractors, panel builders, and brand owners.

Quick use

Use this PDF before approving samples, paying a deposit, starting mass production, using documents for customs clearance, or submitting SPD certificates for a tender.

1. Check traceability

Certificate number, issuing body, database or QR/traceable reference.

2. Match the product

Model, series, voltage, Type/Class, application and pole configuration.

3. Compare documents

Certificate PDF, test report, datasheet, product label, sample and packaging.

A. 10-Point Certificate Verification Checklist

No.	Check Item	What to Confirm	OK
1	Certificate number	Ask for the certificate number and full PDF. Do not rely only on a screenshot or certificate image.	[]
2	Issuing organization	Check the issuing body and the available verification route, such as database, test mark ID or traceable reference.	[]
3	Certificate holder	Confirm the holder company name. It may be the manufacturer, brand owner, or related factory entity.	[]
4	Product model scope	Check whether the exact model or covered series includes the SPD you plan to buy.	[]
5	Rated voltage	For AC SPDs, check U_c . For PV/DC SPDs, check U_{cpv} . Voltage mismatch is a common risk.	[]
6	SPD Type/Class	Confirm Type 1, Type 2, Type 1+2, or PV/DC classification. Do not assume similar housings share the same scope.	[]
7	Applicable standard	AC low-voltage SPD: IEC/EN 61643-11. PV DC SPD: IEC/EN 61643-31. Confirm the standard fits the application.	[]
8	Test report reference	Ask whether the related test report is available and whether the tested model matches the supplied model.	[]
9	Validity or status	Check whether the certificate is current, withdrawn, expired, or replaced by a newer version.	[]
10	Label and PDF consistency	Compare certificate PDF, datasheet, product label, sample photo, packaging and OEM label before approval.	[]

Important buyer rule

A certificate is only useful if it covers the exact product you are buying. The biggest risk is not always a fake certificate. The bigger risk is a real certificate that does not cover the ordered SPD model.

B. Certificate PDF vs Product Label Matching

Before approving samples or bulk production, match the certificate fields against the actual product label or sample photo.

Certificate PDF Field	Product Label / Sample Field	Matching Requirement
Model / Series	Model printed on label	The ordered model or covered series should be clearly included.
Rated voltage	Uc / Ucpv	Do not use a lower-voltage certificate to approve a higher-voltage SPD.
SPD Type / Class	Type 1 / Type 2 / Type 1+2	A Type 2 certificate does not automatically prove Type 1+2 performance.
Application	AC / DC / PV application	AC SPD documents should not be used for PV/DC SPD approval unless the scope clearly supports it.
Standard	IEC/EN standard on label or datasheet	The standard should match the SPD application and certificate scope.
Brand / OEM marking	Brand, model code, OEM label	OEM/private label documents should be confirmed before production.
Test report ref.	Tested model information	The test report should support the certified model and key ratings.

Do not approve bulk order if:

The product label, datasheet, sample photo or packaging makes claims that are not supported by the certificate scope.

C. Bulk Order Document Package

OK	Document	What to Review
[]	Certificate PDF	Certificate number, holder company, model scope, voltage, standard and issue status.
[]	Test Report	Tested model, test standard, Type/Class, voltage rating and key performance values.
[]	EU Declaration of Conformity	Manufacturer, product identification, directive, standard and signing information.
[]	Product Datasheet	Uc/Ucpv, Type, In, I _{max} , I _{imp} , Up, pole structure and wiring diagram.
[]	Product Label Photo	Model, voltage, Type/Class, discharge rating, standard and brand/OEM marking.
[]	Packaging / OEM Label Artwork	Brand, model number, certificate claims, standard references and market markings.
[]	User Manual	Installation, wiring, maintenance information and safety notes.

D. Supplier Information to Request

Information	Buyer Notes
Target market / project country	
SPD application: AC distribution / PV DC / telecom / signal	
Required voltage: 275V / 320V / 385V / 600V DC / 1000V DC / 1500V DC	
SPD Type/Class: Type 1 / Type 2 / Type 1+2 / PV DC SPD	
Pole configuration: 1P / 2P / 3P / 4P / 3P+N / 2S / 3S	
Order type: standard product / distributor order / OEM private label	
Quantity and expected shipment schedule	

E. Common Red Flags Before Approving a Bulk SPD Order

Red Flag
<input type="checkbox"/> The supplier sends only a certificate image, not a full PDF.
<input type="checkbox"/> The model number on the certificate is different from the product label or datasheet.
<input type="checkbox"/> The certificate covers AC SPD, but the order is for PV/DC SPD.
<input type="checkbox"/> The voltage rating on the certificate is lower than the ordered product.
<input type="checkbox"/> The certificate holder is unclear or not connected to the supplier.
<input type="checkbox"/> The test standard does not match the application.
<input type="checkbox"/> The supplier cannot explain the difference between certificate, test report and Declaration of Conformity.
<input type="checkbox"/> The packaging or OEM label makes certificate claims that are not supported by the document scope.

F. Official Verification Resources

The exact verification route depends on the issuing body and certificate type. Use the supplier certificate number and the issuing body database whenever available.

Resource	Use It For	Where to Check
TUV Rheinland Certipedia	Check TUV Rheinland certificate or test mark information when available.	certipedia.com
IECEE CB Certificates	Search CB certificates issued by IECEE members.	certificates.iecee.org
EU CE Marking Information	Understand CE marking and conformity documentation responsibility.	EU CE marking page