

Major technical changes of the new IEC 61547 : 2020 standard

◆ IEC 61547-2020 has been published on 2020/03/26 and its counterpart EN IEC 61547:2023 is expected to be published on 2023/12/8

◆ Current Versions

● IEC 61547:2009

● EN 61547:2009

◆ Latest version

● IEC 61547:2020

● EN IEC 61547:2023

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|--------------------------------|----------------|
| date of Ratification (DOR) (1) | 2023-03-08 |
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| date of Announcement (DOA) (3) | 2023-06-08 (7) |
| date of Publication (DOP) (4) | 2023-12-08 (7) |
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Major technical changes of the new IEC 61547 : 2020 standard

- ◆ Adding road and street lighting equipment should be tested for $\pm 15\text{kV}$ air discharge and $\pm 8\text{kV}$ contact discharge.
- ◆ The injection current test is required only when the DC port cable length exceeds 3m.
- ◆ Road and street lighting equipment shall comply with $\pm 2,0\text{ kV}$ line to line and $\pm 4,0\text{ kV}$ line to ground voltages.
- ◆ The requirement of line to ground in surge test for self-ballast lamps $\leq 25\text{W}$ was cancelled, and the surge rating of lighting equipment below 25W (except self-ballast lamps) was raised to line-to-line $\pm 1.0\text{kV}$ and line-to-ground $\pm 2.0\text{kV}$.
- ◆ The criterion of ESD for road and street lighting was changed from B to C.
- ◆ The criterion of voltage dips 5.11 was changed from C to B.