

CTL DECISION SHEET (DSH)

Standard(s) (incl. year)	Subclause(s)	Tracking No.	Year
IEC 60598-1:2014+A1:2017 IEC 60598-2-3:2003+A1:2011	scope	DSH2088A	2023
Category			
LITE			
Subject	Keywords	Developed by	To be approved
Luminares with solar panels	<ul style="list-style-type: none"> - Solar panels - Photovoltaic power systems - Secondary cells - Lamp control gear 	ETF5	2023 CTL Plenary Meeting
Question			
<p>What would be the appropriate standards for certifying luminaires with solar panels in general? And what would it be especially for the street lighting standard IEC 60598-2-3? Assumption: The luminaire is supplied by solar panels only, not connected to electricity supply.</p>			
Decision			
<p>List of standards that may be applicable: Leading standard: – IEC 60598-2-3 – Luminaires – Part 2-3: Particular requirements – Luminaires for road and street lighting Supporting standards</p> <ul style="list-style-type: none"> - IEC 61730-1 – Photovoltaic (PV) module safety qualification – Part 1: Requirements for construction; - IEC 61730-2 – Photovoltaic (PV) module safety qualification – Part 2: Requirements for testing; - IEC 62109-1 – Safety of power converters for use in photovoltaic power systems – Part 1: General requirements; - IEC 62133 – Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications; - IEC 62133-2- specifies requirements and tests for the safe operation of portable sealed secondary lithium cells and batteries containing non-acid electrolyte, under intended use and reasonably foreseeable misuse. - IEC 62619 - Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries, for use in industrial applications. - IEC 61347-2-11 - Lamp controlgear – Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires; - IEC 61347-2-13 - Lamp controlgear – 			
Explanatory notes			
<p>This decision updates the old decision sheet DSH2088(2017) to be in line with NEW standard editions.</p>			



Ed.2.1
2021-02-03

– 2 –

IECEE OD-5002-F3:2021 © IEC 2021