

OSM/LUM DECISION SHEET (DSH)

Standard(s) (incl. year)	Subclause(s)	Tracking No.	Year
IEC 60598-2-22/1997 A1/2002 A2/2008	Annex A – A.4.2	DSH 0983	2017
Category			
LITE			
Subject	Keywords	Developed by	Approved at
Battery compartment temperature	- Lumex ELP - 50°C - Continuous overcharge period	ETF5-OSM/LUM	2018 ETICS Plenary Meeting
Question			
<p>Due to pulse charging (e.g. 2 seconds “in” and 6 seconds “out”) used in many cases, the following question has arisen. If the mains falls for more than, e.g. 10 minutes, a continuous charging period of about 20 h will start. During this 20 h period the temperature in the battery compartment may rise to about 10°C higher than during the pulse charging (near 50°C). Shall the temperature during the pulse charging be regarded as the continuous ambient temperature?</p>			
Decision			
<p>The Secretary informed that the Lumex ELP had considered this item at its meeting and confirmed that the maximum temperature limit of 50°C is applied for the continuous overcharge period only.</p>			
Explanatory notes			
<p>See also IEC Document 34D/LUMEX(SEC)625. It was warned that automated laboratory test system may well confuse the temperature achieved during the T24 (24 h) charge period with the 50°C limit in the overcharge period. IP asks ELP if there is a need to specify the maximum battery temperature during the 24 h charge period. During the charge period the battery temperature may be more than 50°C, but less than the one declared by the manufacturer.</p>			