Hellenic Accreditation System

Annex F1/5 to the Certificate No. **1296**-2

SCOPE of ACCREDITATION

of the

Electrical Testing Laboratory

of

SUNLIGHT GROUP

ENERGY STORAGE SYSTEMS

Materials/ Products to be tested	Types of test / Properties to be measured	Applied methods / Techniques to be used
Electrical tests		
1.Lead-Acid Traction Batteries	1.1 Discharge Capacity	IEC 60254-1:2005, § 5.2 BCI-14:2022
	1.2 Charge retention during storage	IEC 60254-1:2005, § 5.3
	1.3 High-Rate Discharge Performance	IEC 60254-1:2005, § 5.4
	1.4 Cyclic endurance	IEC 60254-1:2005, § 5.5
	1.5 Cycle Life	BCI-15:2022
	1.6 Partial state of charge Cycle Life	BCI-22:2014
	1.7 Dimensions of cells and end terminals and marking of polarity on cells	IEC 60254-2:2008 DIN EN 60254-2:2009
2. Vented Stationary Lead-Acid Batteries	2.1 Discharge Capacity	IEC 60896-11:2002, § 14
	2.2 Suitability for floating battery operation	IEC 60896-11:2002, § 15
	2.3 Endurance in discharge-charge cycles	IEC 60896-11:2002, § 16
	2.4 Endurance in overcharge	IEC 60896-11:2002, § 17
	2.5 Charge retention during storage	IEC 60896-11:2002, § 18
	2.6 Short circuit current and d.c. internal resistance	IEC 60896-11:2002, § 19

Materials/ Products to be tested	Types of test / Properties to be measured	Applied methods / Techniques to be used
3. Lead-Acid Batteries for Photovoltaic Energy Systems	3.1 Discharge Capacity	IEC 61427-1:2013, § 8.1
	3.2 Generic Endurance in discharge-charge cycles	IEC 61427-1:2013, § 8.2
	3.3 Charge retention during storage	IEC 61427-1:2013, § 8.3
	3.4 Endurance in cycles, in photovoltaic applications (extreme conditions)	IEC 61427-1:2013, § 8.4
4. Valve Regulated Lead-Acid Stationary Batteries	4.1 High current tolerance	IEC 60896-21:2004, § 6.2
	4.2 Short circuit current and d.c. internal resistance	IEC 60896-21:2004, § 6.3
	4.3 Protection against ground short propensity	IEC 60896-21:2004, § 6.5
	4.4 Intercell connector performance	IEC 60896-21:2004, § 6.10
	4.5 Discharge capacity	IEC 60896-21:2004, § 6.11
	4.6 Charge retention during storage	IEC 60896-21:2004, § 6.12
	4.7 Float service with daily discharges	IEC 60896-21:2004, § 6.13
	4.8 Recharge behaviour	IEC 60896-21:2004, § 6.14
	4.9 Service life at an operating temperature of 40 °C	IEC 60896-21:2004, § 6.15
	4.10 Impact of a stress temperature of 55 °C or 60 °C	IEC 60896-21:2004, § 6.16
	4.11 Abusive over-discharge	IEC 60896-21:2004, § 6.17
	4.12 Low temperature sensitivity	IEC 60896-21:2004, § 6.19
Other Tests		
5. Valve Regulated Lead-Acid Stationary Batteries	5.1 Gas emission	IEC 60896-21:2004, § 6.1
	5.2 Protection against internal ignition from external spark sources.	IEC 60896-21:2004, § 6.4
	5.3 Content and durability of required markings	IEC 60896-21:2004, § 6.6
	5.4 Material identification	IEC 60896-21:2004, § 6.7
	5.5 Valve operation	IEC 60896-21:2004, § 6.8
	5.6 Thermal runaway sensitivity	IEC 60896-21:2004, § 6.18
	5.7 Dimensional stability at elevated internal pressure and temperature	IEC 60896-21:2004, § 6.20
	5.8 Stability against mechanical abuse of units during installation	IEC 60896-21:2004, § 6.21

Site of assessment: **Laboratory permanent premises, Neo Olvio, Xanthi, Greece.**
Approved signatories: **K.Mitrou, A. Topalidis.**

This Scope of Accreditation replaces the previous one dated 08.09.2025.
The Accreditation Certificate No. **1296**-2, to ELOT EN ISO/IEC 17025:2017, is valid until 11.05.2031.

Athens, 08.04.2026

Konstantinou Evangelos Apostolos
CEO of ESYD