



INTERNATIONAL  
ACCREDITATION  
SERVICE®

# CERTIFICATE OF ACCREDITATION

*This is to attest that*

## **RAMİRA ENERJİ A.Ş.**

ALAADDINBEY MAH. AYFATMA CD. CENGİZHAN REZİDANS RESİDANCE B BLOK KAT:3 D:17 NİLÜFER  
BURSA, 16120, REPUBLIC OF TURKEY

### **Inspection Agency AA-828 (Type A)**

has met the requirements of AC98, *IAS Accreditation Criteria for Inspection Agencies*, and has demonstrated compliance with ISO/IEC Standard 17020:2012, *Conformity assessment - Requirements for the operation of various types of bodies performing inspection*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date August 19, 2022



**President**

# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

## RAMİRA ENERJİ A.Ş.

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*Accredited to ISO/IEC 17020:2012*

*Effective Date August 19, 2022*

Field and Range of Inspection	Regulations, Inspection Methods, Standards and/or Specifications
A-Grade Photovoltaic Module Production Inspection	RAMİRA Inspection procedure for A-Grade Photovoltaic Module Inspection Scope based on TS EN IEC 61215-1-1 Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-1: Special requirements for testing of crystalline silicon photovoltaic (PV) modules TS EN IEC 61730-1 Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction TS EN IEC 61730-2 Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction
Photo Voltaic Module Packing Units Inspection for Pre-Loading, Transport Storage Control, Transport Surveillance	RAMİRA Inspection procedure for Pre-Loading Transport Storage Control Transport Surveillance of Module Packaging Units Inspection Scope and Procedures based on IEC 62759-1n Photovoltaic (PV) modules - Transportation testing - Part 1: Transportation and shipping of module package units TS EN 62759-1 Photovoltaic (PV) modules - Transportation testing - Part 1: Transportation and shipping of module package units
Photo Voltaic Module Installation, Assembly and Construction Inspections	RAMİRA Inspection Procedure for PV Module Installation, Construction Surveillance based on TS EN IEC 61730-1 Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction
Validation and Commissioning Inspections of Photovoltaic Grids	RAMİRA First Verification Inspection, Test and Commissioning Inspections Standards and Inspection Procedures based on TS EN 62446-1 Photovoltaic (PV) systems - Requirements for testing, documentation and maintenance - Part 1: Grid connected systems - Documentation, commissioning tests and inspection

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Field and Range of Inspection	Regulations, Inspection Methods, Standards and/or Specifications
Validation and Commissioning Inspections of Photovoltaic Grids (continued)	IEC 62446-1 Photovoltaic (PV) systems - Requirements for testing, documentation and maintenance - Part 1: Grid connected systems - Documentation, commissioning tests and inspection IEC 62548 Photovoltaic (PV) arrays - Design requirements IEC 60364-6 Low voltage electrical installations - Part 6: Verification IEC 62446-3 Photovoltaic (PV) systems - Requirements for testing, documentation and maintenance - Part 3: Photovoltaic modules and plants - Outdoor infrared thermography IEC 61724-1 Photovoltaic system performance - Part 1: Monitoring IEC 61724-2 Photovoltaic system performance - Part 2: Capacity evaluation method
Periodic Inspection of Solar Power Plants	RAMIRA Inspection procedure for Periodic Inspection Standards and Inspection Procedures based on IEC 62446-1 Photovoltaic (PV) systems - Requirements for testing, documentation and maintenance - Part 1: Grid connected systems - Documentation, commissioning tests and inspection IEC TS 62446-3 Photovoltaic (PV) systems - Requirements for testing, documentation and maintenance - Part 3: Photovoltaic modules and plants - Outdoor infrared thermography IEC 61724-1 Photovoltaic system performance - Part 1: Monitoring IEC TS 60904-13 Photovoltaic devices - Part 13: Electroluminescence of photovoltaic modules
Inspection of Extruded Insulated Submarine Power Cables	IEC 63026 Submarine power cables with extruded insulation and their accessories for rated voltages from 6 kV ( $U_m = 7,2$ kV) up to 60 kV ( $U_m = 72,5$ kV) - Test methods and requirements