



# EU-Type Examination Certificate

with respect to the presumption of  
Compliance of a product with the essential requirements of

## RE DIRECTIVE 2014/53/EU

Certificate Number	CS30360
Certificate Holder	TSUNESS Co., Ltd
Address	Building E1, No. 555, Chuangye Road, Dayun Town, Jiashan Country, Jiaxing City, Zhejiang Province, China
Manufacturer	TSUNESS Co., Ltd
Address	Building E1, No. 555, Chuangye Road, Dayun Town, Jiashan Country, Jiaxing City, Zhejiang Province, China
Product Type/Description	Photovoltaic On-grid Microinverter
Trade Name	TSUN
Model Number	TSOL-M350, TSOL-M400, TSOL-M800, TSOL-M800(DE), TSOL-M1600
Product Identification Element	TSOL-M350, TSOL-M400, TSOL-M800, TSOL-M800(DE), TSOL-M1600

Applied / Complied Harmonized Standards		Complied
RE Directive 2014/53/EU, Article 3(1)(a) ■ Safety	EN 62109-1:2010, EN 62109-2:2011	Y
RE Directive 2014/53/EU, Article 3(1)(a) ■ Health	EN 62311 :2008	Y
RE Directive 2014/53/EU, Article 3(1)(b) ■ EMC	Draft EN 301 489-1 V2.2.0, EN 301 489-3 V2.1.1 EN 61000-6-2:2005, EN 61000-6-3:2007+A1:2011	Y
RE Directive 2014/53/EU, Article 3(2) ■ Radio	EN 300 440 V2.1.1	Y

Authorized By:

Leslie Bai, Director of Certification

Issue Date: June 19, 2020

Expiry Date: June 18, 2025

PS: This Certificate is Issued in Accordance with Annex III of the RE Directive 2014/53/EU and is only valid in Conjunction with the Following Annex I.

Bureau Veritas Consumer Products Services, Inc.  
775 Montague Expressway, Milpitas, CA 95035, USA  
Tel: 408 526 1188, Fax: 408 526 1088,

Website: <https://cpsusa-bureauveritas.com>, Email: [sales.eaw@us.bureauveritas.com](mailto:sales.eaw@us.bureauveritas.com)



## Annex I of RED EU-TYPE Examination Certificate

Certificate Number: CS30360

Product Specifications	
Frequency Range	2403MHz, 2423MHz, 2440MHz, 2461MHz, 2475MHz
RF Output Power (EIRP)	5.68 dBm
Type of Antenna	PCB Antenna
Modulation	GFSK
Mode of Operation (Simplex / Duplex)	Duplex
Duty Cycle	-
Comments	-

### Technical Documentation Identification

Test Report	
RE Directive 2014/53/EU, Article 3(1)(a) ■ Health & Safety	AQRN-19AU3408VTSHPB-2 (Health) AQRN-19SE2394FTSHP-1, AQRN-19SE2394FTSHP-2, AQRN-19SE2394FTSHP-3, AQRN-19SE2394FTSHP-4, AQRN-19SE2394FTSHP-5, AQRN-19SE2394FTSHP-6 (Safety)
RE Directive 2014/53/EU, Article 3(1)(b) ■ EMC	AQRN-19AU3408VTSHPB-3, AQRN-19AU3408VTSHPB-4
RE Directive 2014/53/EU, Article 3(2) ■ Radio	AQRN-19AU3408VTSHPB-1
User Manual	<input checked="" type="checkbox"/>
Product Label	<input checked="" type="checkbox"/>
Block Diagram	<input checked="" type="checkbox"/>
Circuit Diagram	<input checked="" type="checkbox"/>
Operational description	<input checked="" type="checkbox"/>
BOM	<input checked="" type="checkbox"/>
PCB layout	<input checked="" type="checkbox"/>
Declaration of Conformity	<input checked="" type="checkbox"/>
Risk Assessment	<input checked="" type="checkbox"/>
Package	<input checked="" type="checkbox"/>

Based on the evidence presented, our certificate in accordance with Annex III of Council Directive 2014/53/EU on Radio Equipment Directive and the mutual recognition of their conformity is that the apparatus identified above complies with the requirements of that Directive stated above.

Note: Compliance with the above Directive does not guarantee the right to use the above mentioned equipment in any EU member state. No configuration, other than described above, has been considered and is therefore not included in this certificate.

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Please check the validation of this certificate at [BV CPS Cert Validation Portal](#)