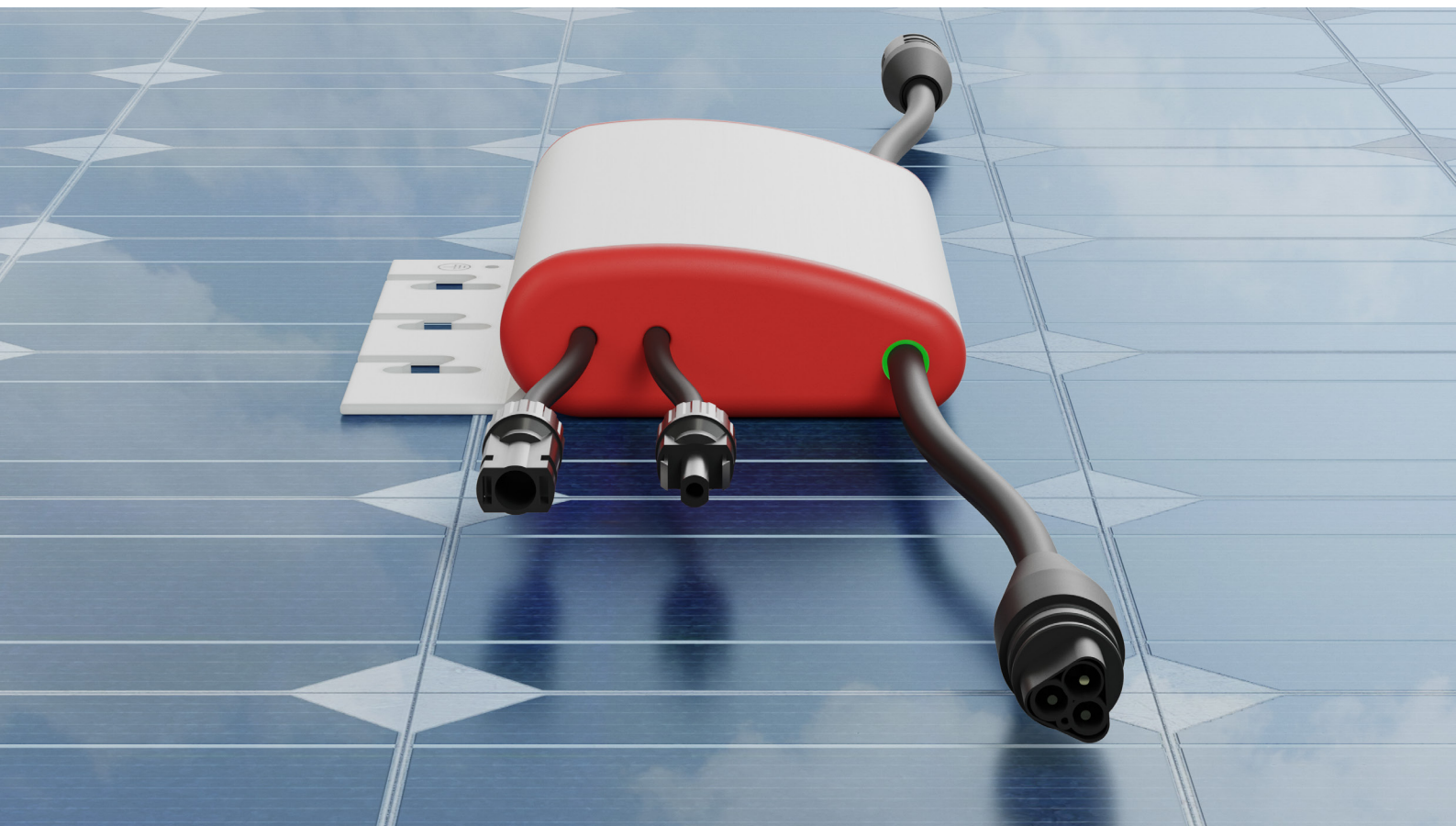


# UBIK S350 OPTIVERTER® | DATASHEET



The **UBIK S350 OPTIVERTER®** is a smart, pure plug & play device, supporting decentralized renewable energy production and offering the most affordable energy conversion approach for residential and small to medium commercial PV installations thanks to the usage of the **OPTIVERTER® Technology**. This allows to maximize energy harvest and reach lower levelized cost of electricity compared to MLPE (Module Level Power Electronics) solutions available on the market today.

Current MLPE (Module Level Power Electronics) solutions present high cost, low energy yield, limited functionality and complex installation.

The **UBIK S350 OPTIVERTER®** intelligently integrates all the critical functionalities needed to solve those challenges into one single device that merges the key features of PV optimizers (SolarEdge, Tigo Energy, etc) and PV microinverters (Enphase, AP Systems, etc) under the same hood:

UNPRECEDENTED PERFORMANCE	ALL-IN-ONE, PLUG & PLAY DEVICE	INTEGRATED MANAGEMENT TOOLS
<p>Our <b>shade-tolerant MPPT</b> (Maximum Power Point Tracking) with extended input voltage range (8 to 60 VDC) keep the S350 OPTIVERTER® working where others simply can't, resulting in <b>up to 30% better energy harvest</b> than a traditional microinverter.</p>	<p>Easy and safe to install and use, the S350 OPTIVERTER® <b>works with all 60- and 72-cell PV panels up to 350W</b>. Built-in communication gateway and wiring plus higher efficiency result in <b>lower Levelized Cost Of Electricity</b> (LCOE) for system owners.</p>	<p>PV module level monitoring and analytics, including estimation of PV panel life and <b>advanced diagnostics</b> via <b>FlowEM®</b>, our smart energy management platform. Featuring <b>automatic software updates</b>, your S350 OPTIVERTER® will constantly receive the latest improvements.</p>

# UBIK S350 OPTIVERTER®

INPUT DATA (DC)	
Maximum PV module STC power	350 W
Compatibility	All 60- and 72-cell PV modules
Maximum input DC voltage	60 VDC
MPPT voltage range	8...60 VDC
Min / Max start voltage	8/60 VDC
Max DC short circuit current	15 A
OUTPUT DATA (AC)	
Maximum continuous output power	300 W
Nominal output current	1.3 A
Nominal voltage	230 VAC
Nominal frequency	50 Hz
Power factor range	>0.99
Maximum units per 20A branch circuit	12
EFFICIENCY	
CEC weighted efficiency	95%
Static MPPT efficiency (weighted, reference EN50530)	99.5%
MECHANICAL DATA	
Ambien temperature range	-45...+65 °C
Dimensions (WxHxD)	215 x 174 x 47 mm
Weight	2.2 kg
Cooling	Natural convection
Enclosure environmental rating	Outdoor / IP67
Connector type	MC4 (DC) / Wieland RST 20i3 (AC)
FEATURES	
Communication	Wi-Fi (IEEE 802.11 b/g/n)
Integrated ground	High frequency galvanic isolation. Need of additional Grounding Electrode Conductor (GEC) or ground depends on the local normative.
Monitoring	FlowEM® Smart Energy Management Platform
Compliance	LVD, RED, EMC, RoHS

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For the latest information, please visit [www.ubiksolutions.eu](http://www.ubiksolutions.eu).

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