EU-OG/30KSF

EURONET ON-GRID STRING INVERTER – 30kW

Three-Phase Grid-Tied String Inverter | 3 MPPTs



RATED AC POWER	MAX DC INPUT VOLTAGE
30000W	1100V
MPPT VOLTAGE RANGE	**MPPTS / STRING INPUTS**
200V–1000V	3 / 6
MAX EFFICIENCY	**PROTECTION CLASS**
98.7%	IP66

OVERVIEW

The EURONET EU-OG/30KSF is a 30kW three-phase, transformerless on-grid string inverter for businesses, factories and large rooftops on a 230/400V supply. Three MPPTs with two strings each accept 30A per MPPT and track from 200V to 1000V, with up to 1100V DC input and a DC/AC ratio of up to 1.5. It reaches 98.7% maximum efficiency (98.4% Euro) and includes a DC switch, anti-islanding, insulation detection and surge protection in a fan-cooled IP66 enclosure, with RS-485 and Wi-Fi / 4G monitoring.

KEY FEATURES

Six String Inputs
Three MPPTs with two strings each, 30A max. input and 40A max. short-circuit current on each MPPT

1100V Max. DC Input
200V–1000V MPPT range, 650V nominal and 250V start voltage for long, high-voltage PV strings

DC/AC Ratio up to 1.5
Supports a larger PV array than the 30000W AC rating for more yield from the same inverter

Up to 98.7% Efficiency
98.7% maximum and 98.4% Euro efficiency, with THDi below 3% and power factor 0.8 lead – 0.8 lag

Built-In Protection
DC switch, anti-islanding, insulation detection, DC Type II / AC Type III surge (AC Type II opt.)

Rugged IP66 Enclosure
380 × 483 × 223mm, 25.5kg, fan cooled, rated for -25°C to +60°C ambient and altitudes up to 4000m

TECHNICAL NOTE

30000W nominal / 33000VA max. AC output, 230/400V 3P+N+PE, 50/60Hz ±5Hz, max. output current 47.8A. PV input 1100V max., 650V nominal, 250V start, MPPT 200V–1000V, 3 MPPTs × 2 strings, 30A per MPPT, DC/AC ratio up to 1.5. 98.7% max. / 98.4% Euro efficiency. IP66, fan cooling, 25.5kg, 380 × 483 × 223mm. RS-485 / Wi-Fi / 4G, LCD display.

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EU-OG/30KSF

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	EU-OG/30KSF
Type	Three-phase on-grid string inverter
Topology	Transformerless
INPUT (DC)	
Max. DC Voltage	1100V
Nominal DC Voltage	650V
Start Voltage	250V
MPPT Voltage Range	200V–1000V
Number of MPPTs	3
Strings Per MPPT	2
Max. Input Current / MPPT	30A
Max. Short-circuit Current / MPPT	40A
Max. DC/AC Ratio	1.5
OUTPUT (AC)	
Nominal AC Output Power	30000W
Max. AC Apparent Power	33000VA
Nominal AC Voltage	230/400V, 3P+N+PE
Grid Frequency	50/60Hz ±5Hz
Max. Output Current	47.8A
Power Factor (Cos φ)	0.8 leading – 0.8 lagging
THDi	<3%
EFFICIENCY	
Max. Efficiency	98.7%
Euro Efficiency	98.4%

PARAMETER	SPECIFICATIONS
PROTECTION	
DC Switch	Yes
Anti-islanding Protection	Yes
Output Over-current Protection	Yes
DC Reverse Polarity Protection	Yes
String Fault Detection	Optional
Insulation Detection	Yes
AC Short-circuit Protection	Yes
DC / AC Surge Protection	DC Type II · AC Type III (Type II optional)
COMMUNICATION & DISPLAY	
Communication	RS-485 / Wi-Fi / 4G
Wi-Fi / 4G	Plug-in module, optional
Display	LCD
PHYSICAL & ENVIRONMENTAL	
Dimensions (W × H × D)	380 × 483 × 223 mm
Weight	25.5 kg
Cooling	Fan cooling
IP Class	IP66
Operating Temperature	-25°C to +60°C
Max. Operating Altitude	4000m
Max. Operating Humidity	0–100% (no condensation)
AC Output Terminal	Connector
CERTIFICATION & STANDARDS	
Safety	EN/IEC 62109-1/2
Grid Connection	IEC 61727 · IEC 62116 · EN 50549-1
Grid Codes	AS 4777.2 · VDE-AR-N-4105 · VDE 0126-1-1 CEI 0-21 · G99 · C10/11
Other Standards	NB/T 32004-2018 · GB/T 19964-2012
EMC	IEC/EN 61000-6-2 · IEC/EN 61000-6-4
Environmental / Test	IEC 61683 · IEC 60068 · IEC 60529

**Specifications are subject to change without prior notice.*

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