

FRONIUS AC COMBINER

/ The optimised interface between inverter and grid for individual projects



/ Developed for the Fronius Symo and Fronius Eco inverter series, the Fronius AC Combiner provides the optimal interface between inverter and grid in decentralised energy generation plants. Offering a range of options, such as internal overvoltage protection, pre-fabricated AC connection cables and a service socket, the Fronius AC Combiner is a customised solution for your individual PV project. Compliance with the most common industry standards and tests and use of the highest-quality materials guarantee maximum availability throughout the life of the PV system.

TECHNICAL DATA

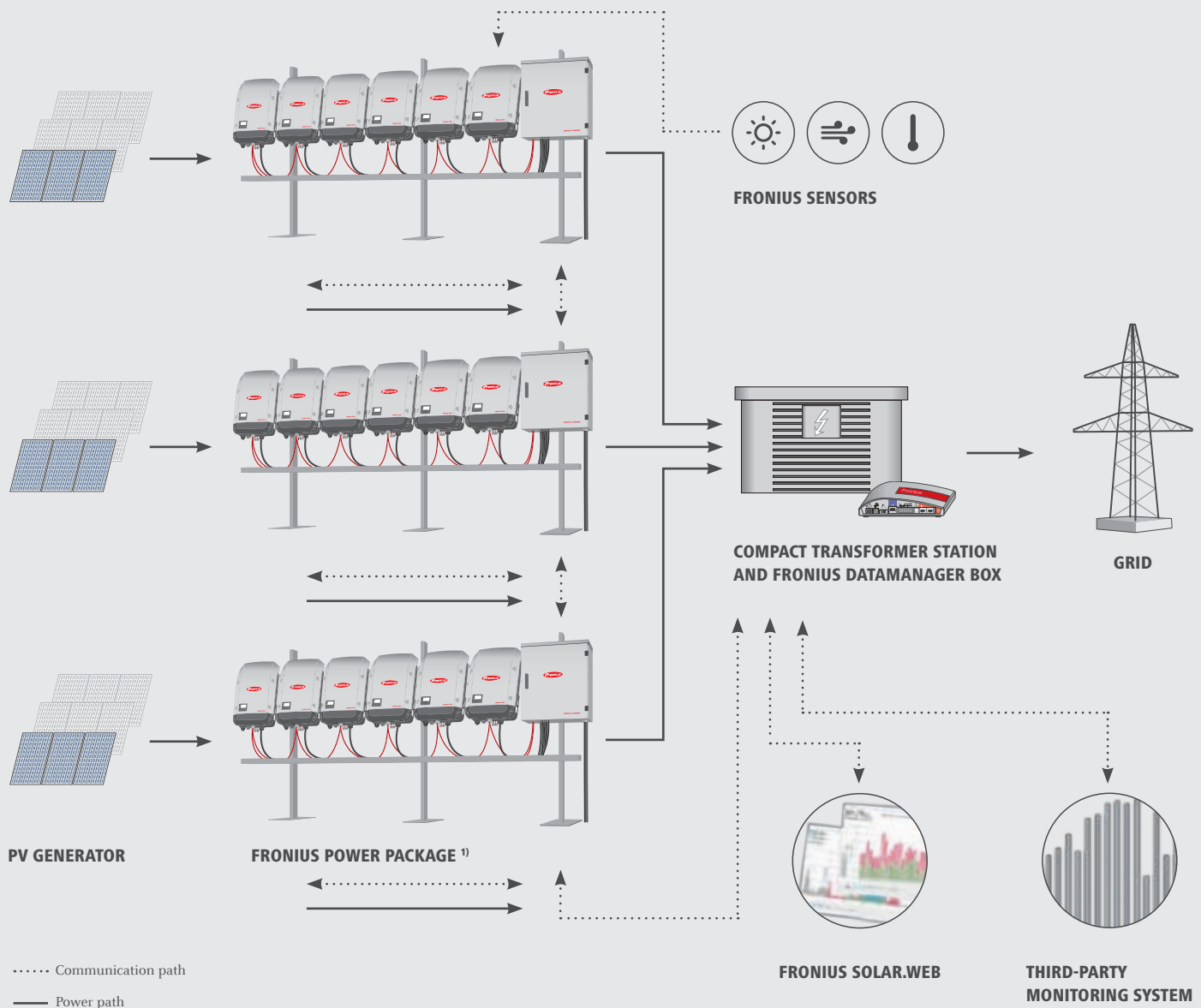
TECHNICAL DATA	FRONIUS AC COMBINER SYMO	FRONIUS AC COMBINER ECO
Rated current	200 A	
Rated short-circuit current	50 kA (250 A gG back-up fuse)	
Ambient temperature range	-25 – 45 °C	
Grid topology	TN (universal: TN-C, TN-S and TT grids)	
Overvoltage protection ¹⁾	Type 1+2+3 incl. 80 A back-up fuse	
Residual current device ¹⁾	-	4P-63A-100mA-A-type
AC input/output	3PN 400/230V	
Frequency	50 Hz / 60 Hz	
AC inputs	3 - 6 x max. 20 kVA/input, fused 3P 50A NH000	2 - 4 x max. 27 kVA/input, fused 3P 63A NH000
Max. output power	120 kVA	108 kVA
AC connection (Input) ^{1) 2)}	H07RN-F 5G10mm ²	EYY-J 5x16mm ²
Max. AC-cable cross section (Output)	5 x 150 mm ²	
Data communication connection ^{1) 2)}	Patch cable, 2m, shielded, RJ45, UV-resistant	
Service socket ¹⁾	1PN 230V/16A/30mA, CEE	
Dimensions (height x width x depth)	750 x 700 x 300 mm	
Weight (without connection cables)	38,5 kg	
Housing	Open air wall-mounted housing ALU 99.5HH powder coated RAL 7004 (incl. rain canopy & wall mounting strap)	
Protection class	IP 54	
Compliance with standards	EN 61439-2	

¹⁾ Optionally available.

²⁾ Pre-fabricated cable.

Ring cable lug M12 is not included in delivery.

CONFIGURATION DIAGRAM



¹⁾ Fronius Power Package including Fronius Symo or Fronius Eco, Fronius AC Combiner and pre-fabricated cabling.

/ Perfect Welding / Solar Energy / Perfect Charging

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/ Whether welding technology, photovoltaics or battery charging technology – our goal is clearly defined: to be the innovation leader. With around 3,300 employees worldwide, we shift the limits of what's possible - our record of over 900 granted patents is testimony to this. While others progress step by step, we innovate in leaps and bounds. Just as we've always done. The responsible use of our resources forms the basis of our corporate policy.

Further information about all Fronius products and our global sales partners and representatives can be found at www.fronius.com

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Fronius India Private Limited
 GAT no 312, Nanekarwadi
 Chakan, Taluka - Khed District
 Pune 410501
 India
pv-sales-india@fronius.com
www.fronius.in

Fronius Australia Pty Ltd.
 90-92 Lambeck Drive
 Tullamarine VIC 3043
 Australia
pv-sales-australia@fronius.com
www.fronius.com.au

Fronius UK Limited
 Maidstone Road, Kingston
 Milton Keynes, MK10 0BD
 United Kingdom
pv-sales-uk@fronius.com
www.fronius.co.uk

Fronius International GmbH
 Froniusplatz 1
 4600 Wels
 Austria
pv-sales@fronius.com
www.fronius.com