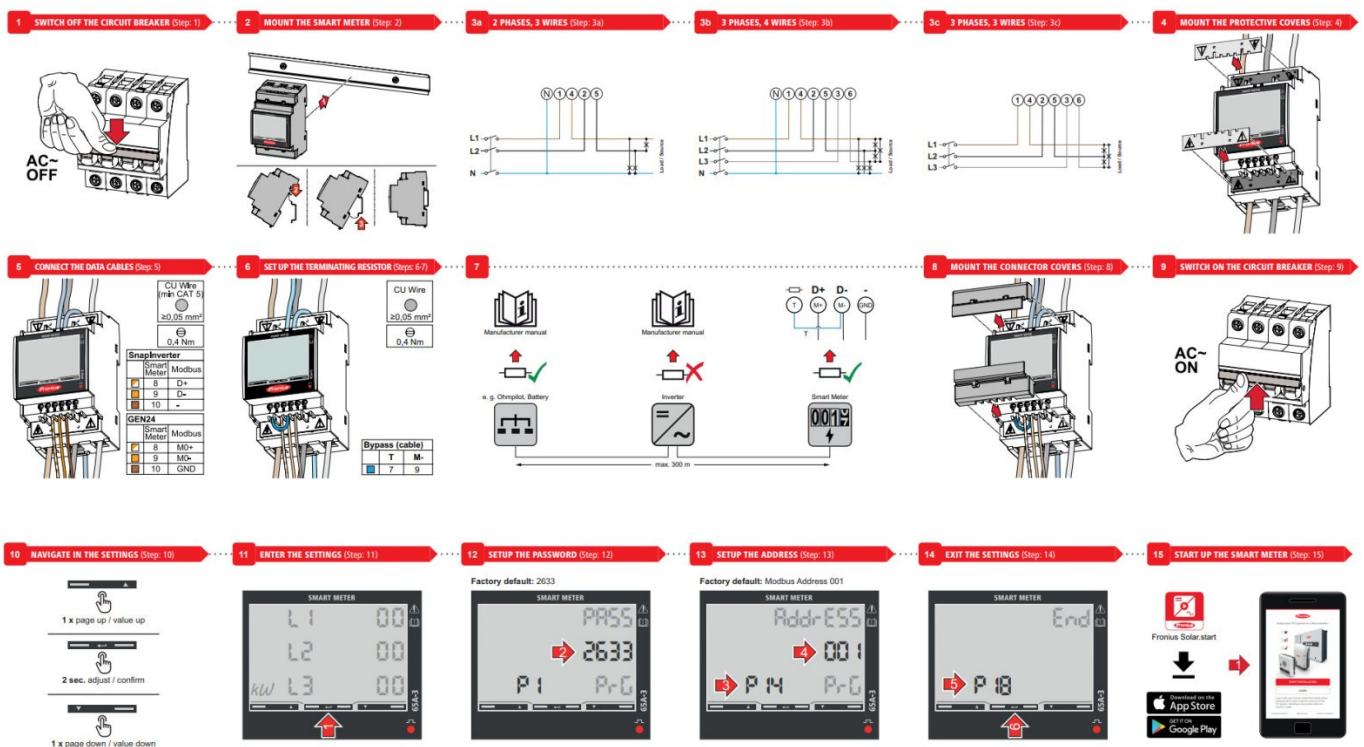




SOFTWARE REQUIREMENTS	
Fronius Datamanager 2.0	≥ 3.16.1 version
Fronius Symo Hybrid	≥ 1.16.1 version
MEASURING INPUT	
Nominal voltage (4-conductor) range	208 – 400 V (±20%)
Power consumption in the voltage path (max. voltage)	≤ 10 VA
Nominal frequency Tolerance	50 – 60 Hz 45 – 65 Hz
Nominal current, I _b	5 A
Maximum current, I _{max}	65 A
Starting current	20 mA
Short-time overload (EN IEC 62053-21, EN IEC 62053-23)	30 I _{max} / 0.001 s
Self-consumption – current path (max. current)	≤ 1 W
Power factor Operating range (EN IEC 62053-21, EN IEC 62053-23)	active cosφ 0.5 ind – 0.8 cap, reactive sinφ 0.5 ind – 0.5 cap
Current distortion factor	in acc. with EN 50470

OUTPUT**RS485 communication (Electrically isolated from measuring input)**

Standard	RS485 – 3 conductors
Protocol	Compatible with Modbus RTU
Addresses	1 – 255
Baud rate	300, 2400, 9600 bit/s
Response time	≤ 200 ms

INSULATION (EN IEC 62052-11, EN IEC 62053-21)

Installation category	III
Degree of pollution	2
Insulation voltage	4 kVAC RMS (1 min)

ELECTROMAGNETIC COMPATIBILITY

Emission test	In acc. with EN IEC 62052-11, EN 50470-3
Immunity test	In acc. with EN IEC 62052-11, EN 50470-3

OPERATING CONDITIONS

Reference temperature	25 °C (± 5 °C)
Operating range	-25 to +55 °C
Temperature limit for storage and transport	-30 to +80 °C
Mechanical environment Electromechanical environment	M2 E2
HOUSING	
Housing	3 modules according to DIN 43880
Sealable housing/terminal cover	
Connection	Screw connection
Mounting	Can be snapped onto 35 mm DIN rail
Housing material	Noryl, self-extinguishing
Degree of protection (EN 60529)	IP51 housing, IP20 connections
Weight	240 grams
TERMINALS – MEASURING INPUT	
Wire	min. 1 mm ² / max. 16 mm ²

Recommended torque	max. 2.8 Nm
TERMINALS – DATA OUTPUT (N-CONNECTOR)	
Wire	min 0.05 mm ²
Recommended torque	max. 0.4 Nm

Detailed, country-specific warranty terms are available on: www.fronius.com/solar/warranty

FIND MORE INFORMATION

manuals.fronius.com/html/4204260349



<https://manuals.fronius.com/html/4204260349/en.html>



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Contents

[1 Documents / Resources](#)

[1.1 References](#)

[2 Related Posts](#)

Documents / Resources

	Fronius TS 65A-3 Smart Meter TS 5KA-3 Bidirectional Power Meter [pdf] User Guide TS 65A-3, Smart Meter TS 5KA-3 Bidirectional Power Meter
	Fronius TS 65A-3 Smart Meter [pdf] Instruction Manual TS 65A-3 Smart Meter, TS 65A-3, Smart Meter

References

-  [Fronius Smart Meter TS 65A-3](#)
-  [Fronius International](#)
-  [Our warranty models for your Fronius products](#)
-  [Fronius Solar.web](#)
-  [Monitoring & digital tools for your PV system - Fronius Solar Energy](#)
-  [Fronius International](#)
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