



PV-4050.221
Backup Switch



Fronius PV-4050.221 Backup Switch Instruction Manual

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Fronius PV-4050.221 Backup Switch



Fronius Backup Switch 1P/3P-63A

OPERATING INSTRUCTION

- <https://manuals.fronius.com/html/4204260536>





EN: WARNING!

Incorrect operation or poorly executed work can cause serious injury or damage. Installation and commissioning must be carried out by trained personnel according to the nationally applicable standards and guidelines. Before working with the device, ensure that you have read and understood all the documents printed and provided in hard

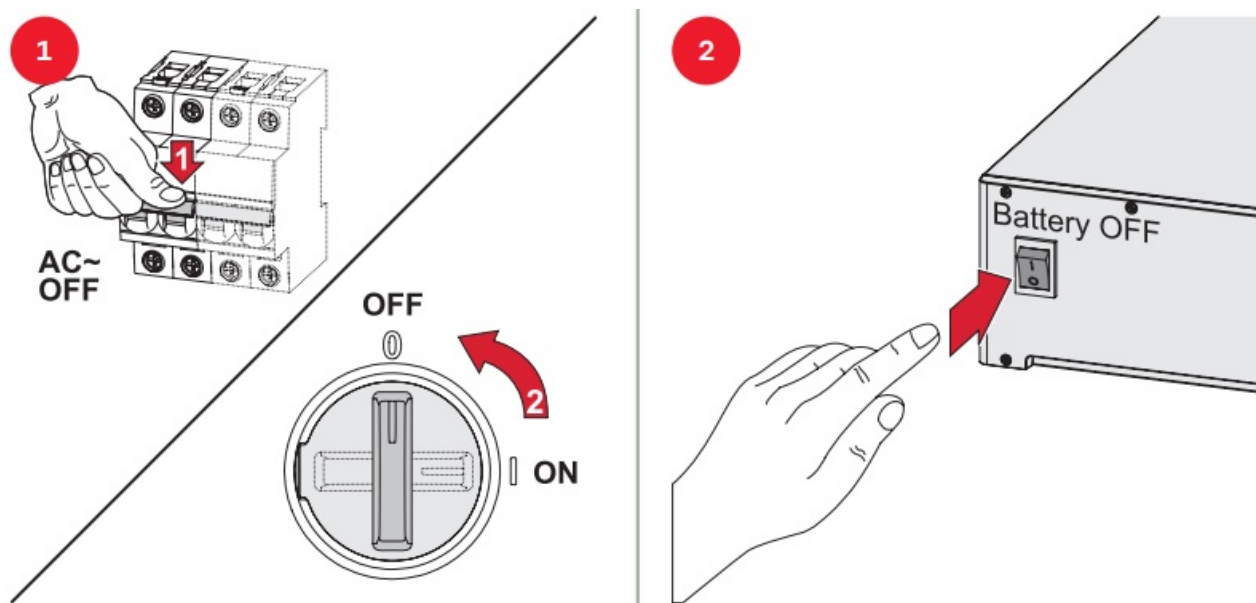
copy and online. When PV modules are exposed to light, they supply voltage to the inverter. This document does not describe all possible system configurations.

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

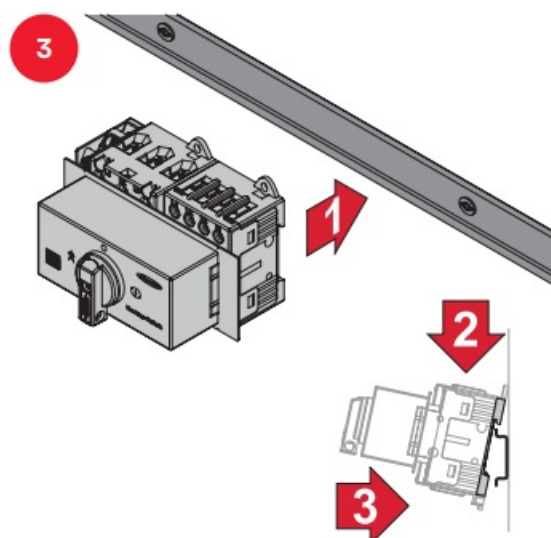
Warning signs explanation

-  General warning sign
-  Electricity hazard

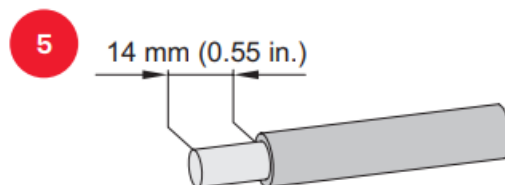
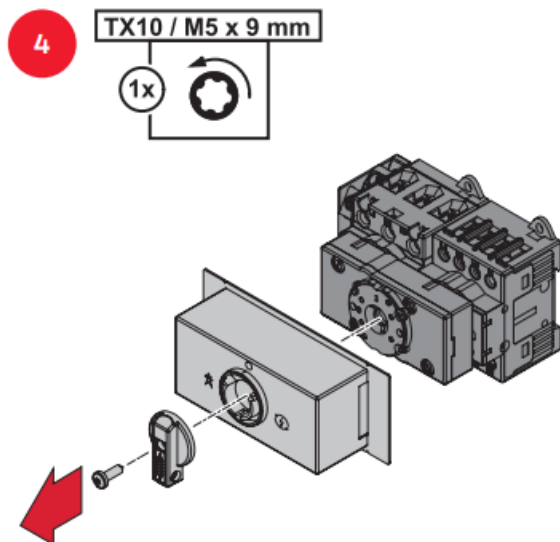
Switching OFF



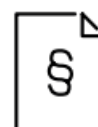
Mounting



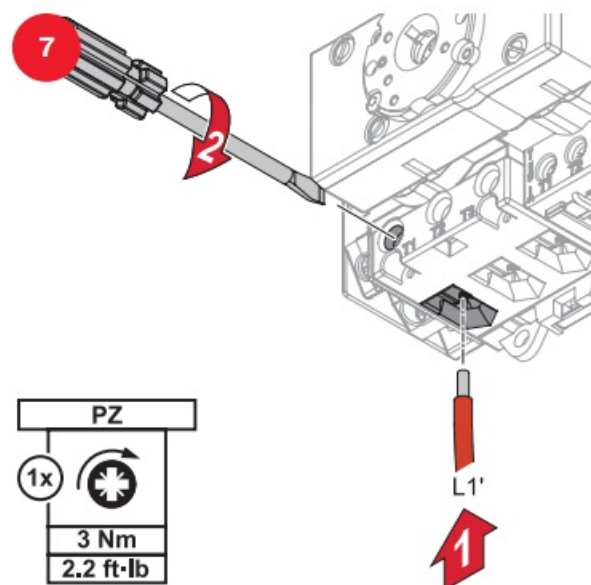
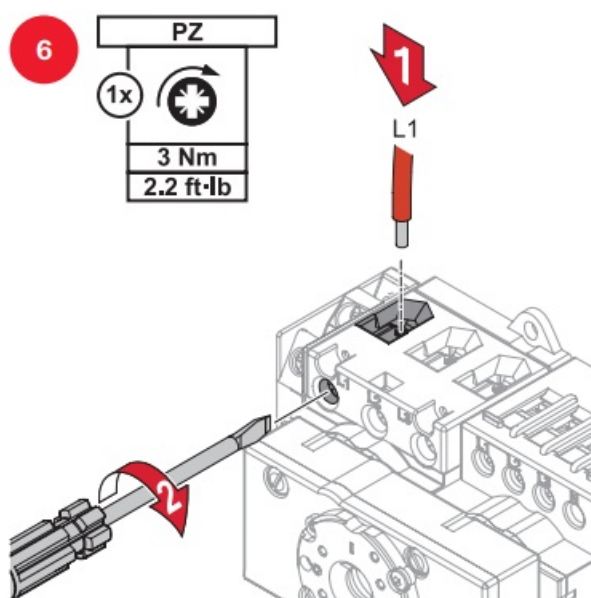
Preparing for installation



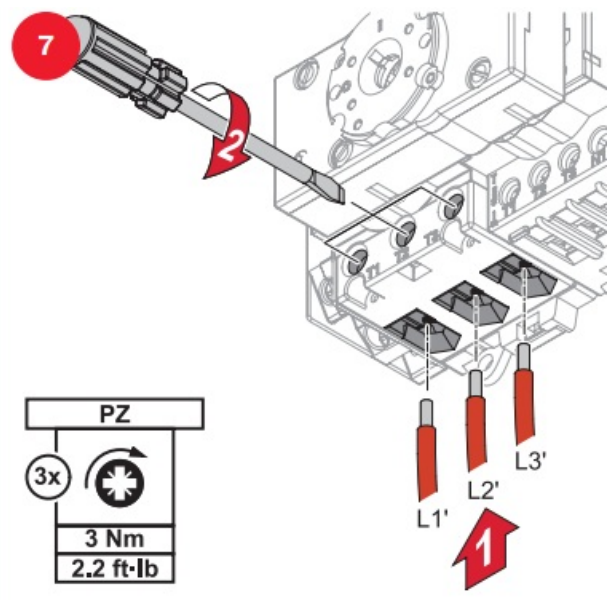
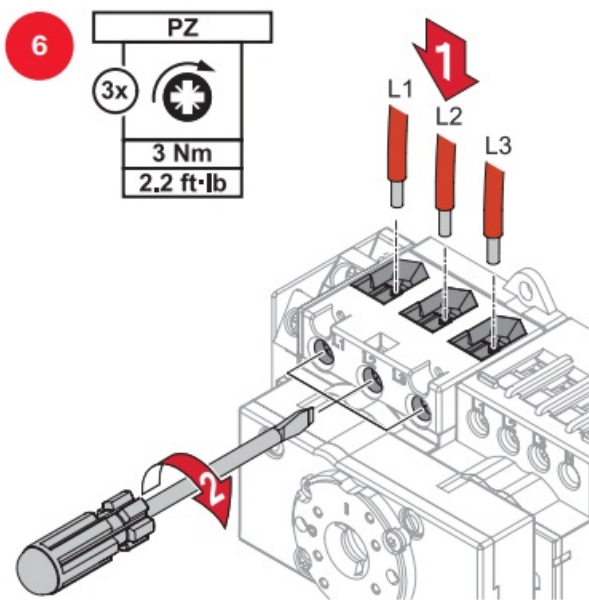
conductor per terminal	CU wire	
	1 - 25 mm ²	4 - 16 mm ²
	max. 2 x 10 mm ²	



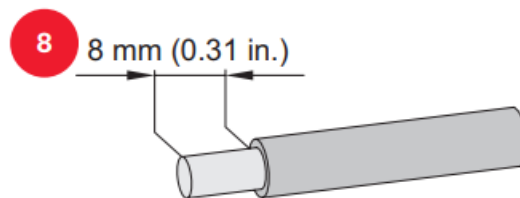
Option: 1P separation



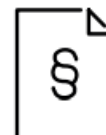
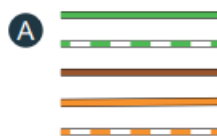
Option: 3P separation



Connecting the data communication

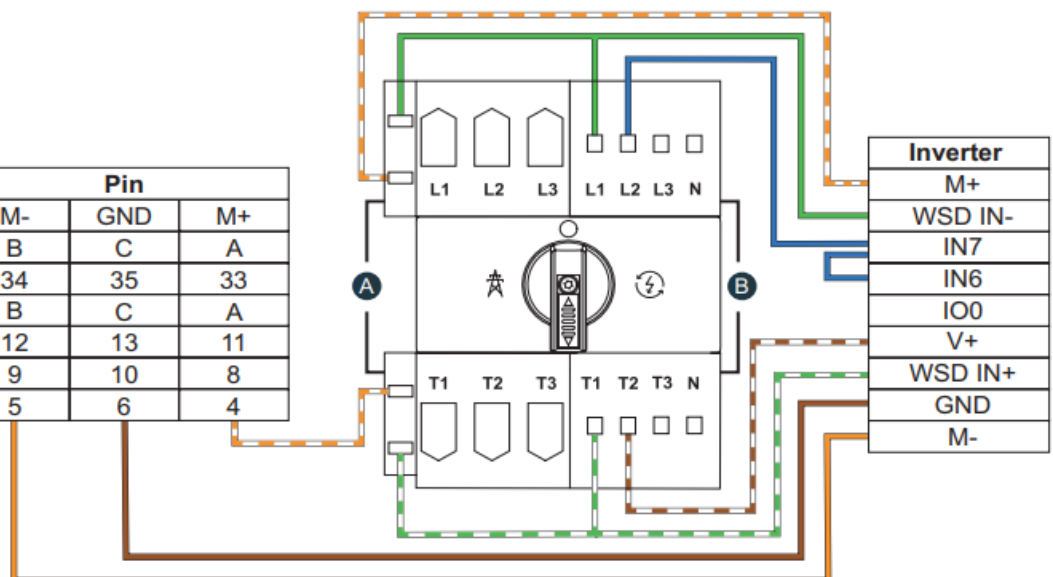


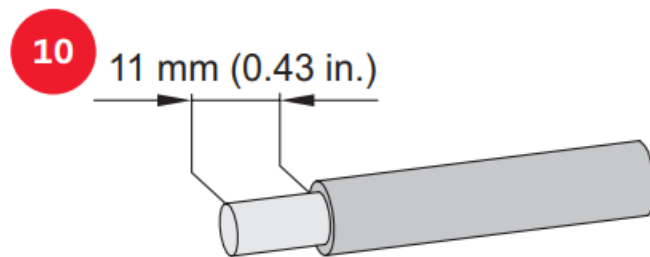
conductor per terminal	CU wire	
	0,13 - 2,5 mm ²	0,75 - 2,5 mm ²



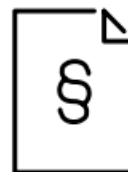
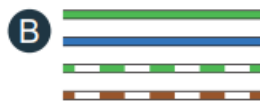
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Smart Meter	Pin		
	M-	GND	M+
IP	B	C	A
50k A-3	34	35	33
63A-1	B	C	A
TS 5kA-2	12	13	11
TS 5kA-3	9	10	8
TS 100A-1	5	6	4

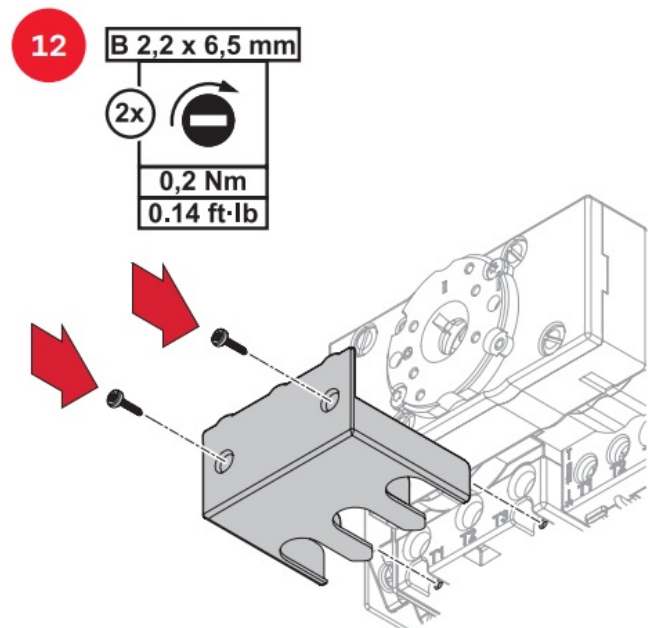
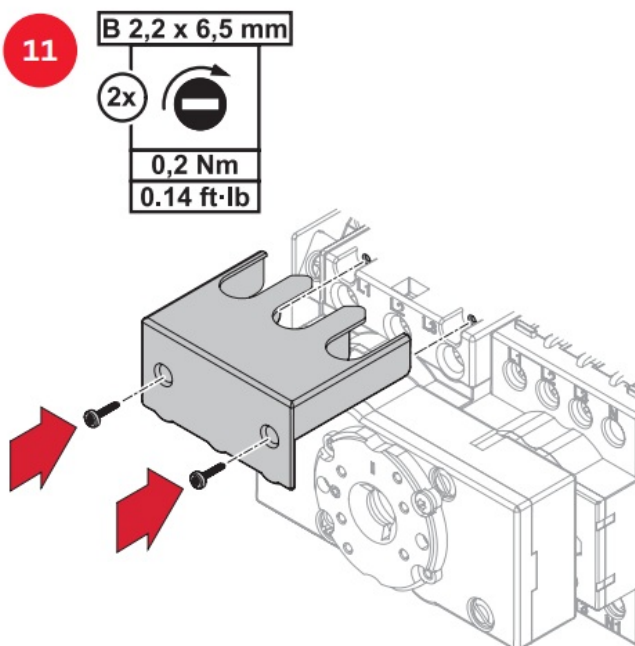




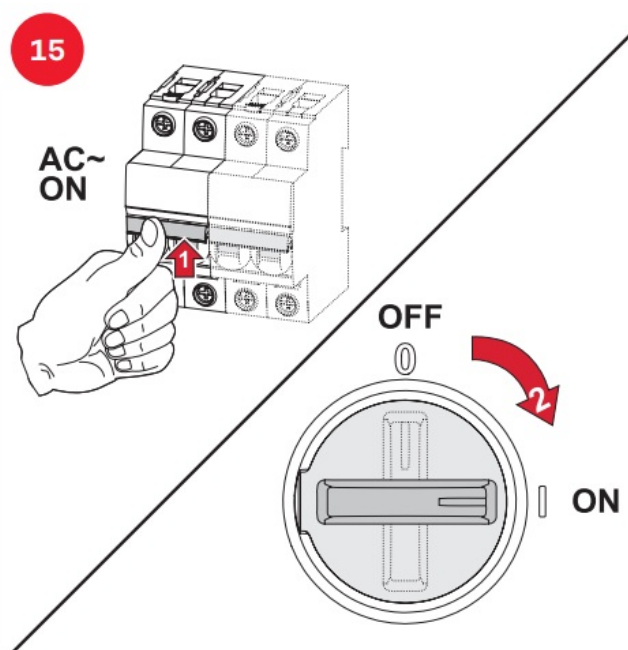
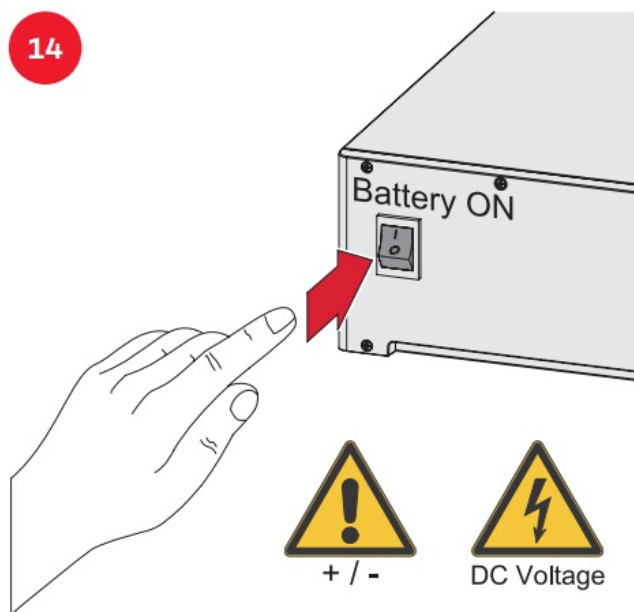
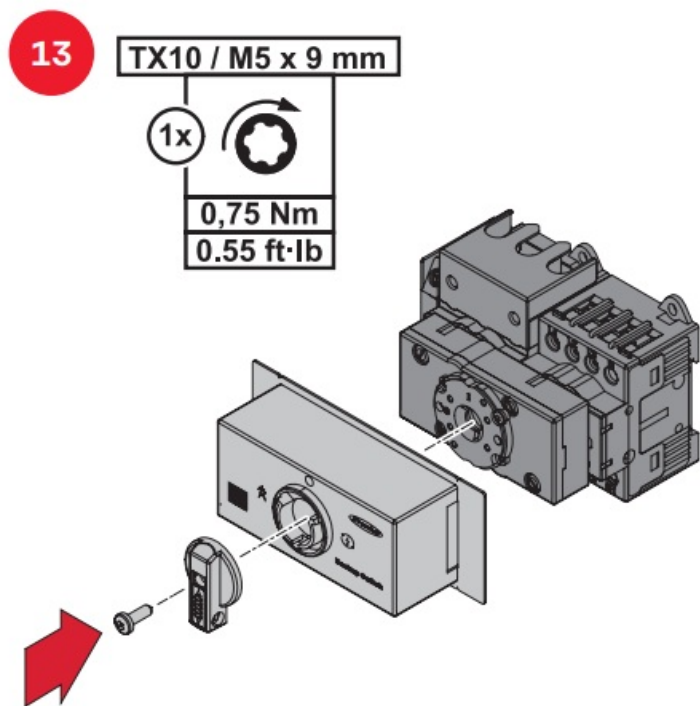
conductor per terminal	CU wire	
	0,13 - 10 mm ²	0,5 - 6 mm ²



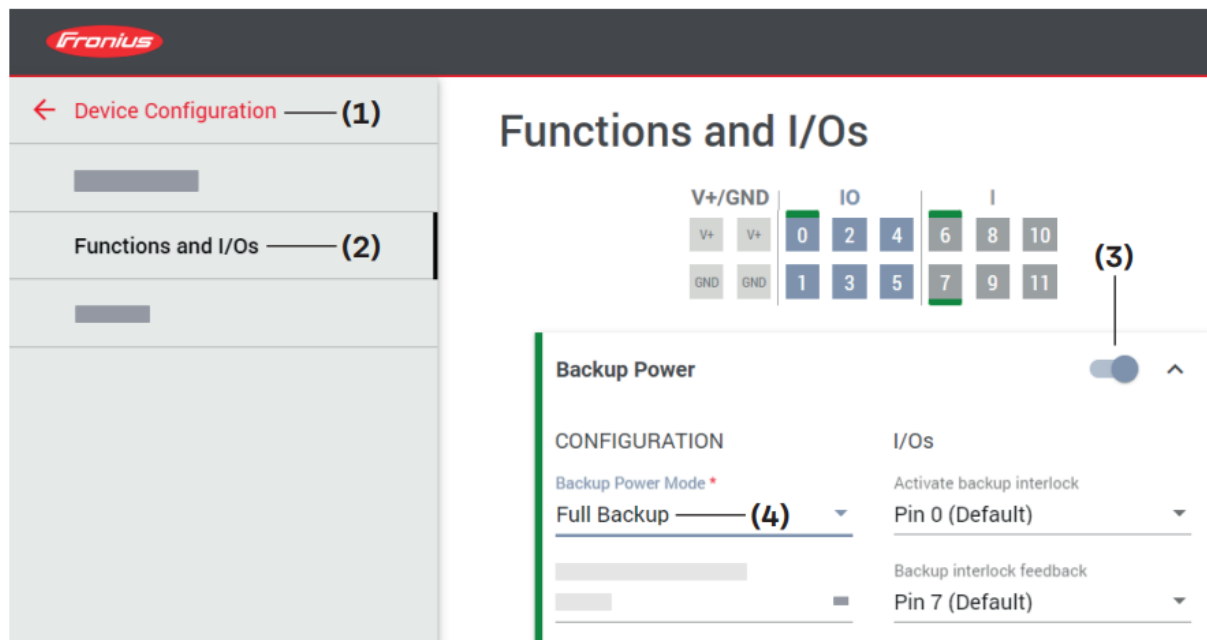
Mounting the protective cover



Commissioning

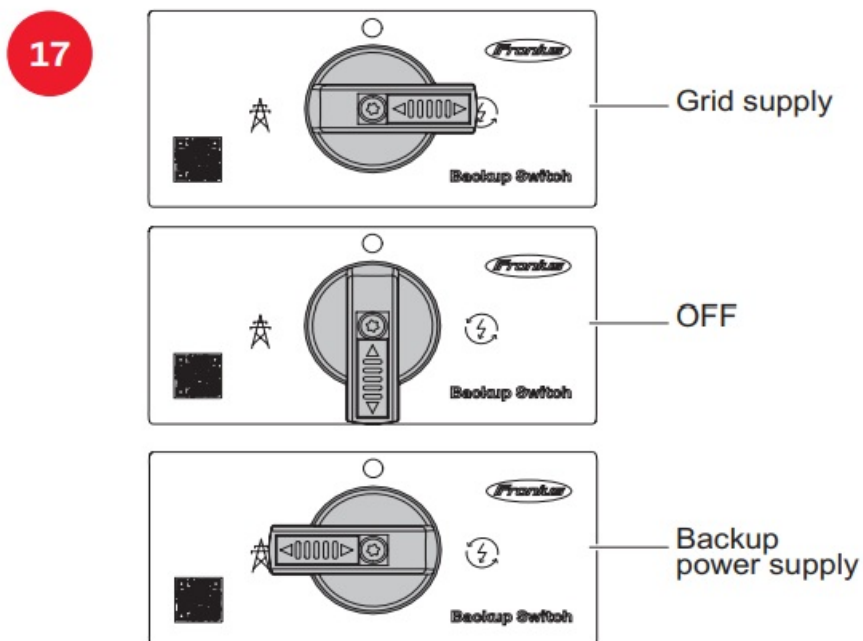


User interface configuration



1. Open user interface of the inverter
2. Navigate to Device Configuration > Fun- functions and I/Os
3. Activate Backup Power
4. Select Full Backup under Backup PoPowerode

Testing the backup power function





<https://www.fronius.com/en/solar-energy/installers-partners/downloads>

search for: „42,0426,0365“



- <https://www.fronius.com/en/solar-energy/installers-partners/downloads>
- Search for: „42,0426,0365“

Circuit diagrams



1-pin separation



3-pin separation

- 1-pin separation
- 3-pin separation

Documents / Resources

	<p>Fronius PV-4050.221 Backup Switch [pdf] Instruction Manual PV-4050.221, 42, 0410, 2974, PV-4050.221 Backup Switch, PV-4050.221, Backup Switch, Switch</p>
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References

- [User Manual](#)

Manuals+. Privacy Policy

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