

Essential Backup Load Unit

The Fronius Microgrid Interconnect Device



Product advantages

- 01 Automatic Essential Backup
- 02 Future-Proof & Upselling Potential
- 03 Prepared for Unpredictable Weather
- 04 Proven Service & Support



Technical Data

	Parameter	Value	Fronius Essential Backup Load Unit
General Data	Number of phases		1
	Permitted network structure		Split-phase 120 V/240 V WYE 120 V/208 V WYE 127 V/220 V
	Installation type		Indoor, outdoor
	Enclosure Type		4X
	Dimensions H x W x D (include mounting bracket)	inch/mm	23.64 x 17.24 x 11.19 / 600.4 x 438.0 x 284.2
	Weight	lbs./kg	81.90 / 37.15
	Permitted ambient temperature	°F/°C	-13 to 113 / -25 to +45
	Permitted rel. humidity	%	0 to 100 (incl. condensation)
	Maximum elev. above sea level*	ft/m	6562 / 2000
	Compliance		UL 1741:2023 (incl. Supplement SA & SB) IEEE 1547:2018 (incl. IEEE 1547a:2020) IEEE 1547.1:2020 CSA C22.2 No. 107.1:2016 FCC Part 15 A & B
	Warranty		10 years

Input/ Output Connection	Nominal AC voltage	V	208 - 240
	Operating AC voltage range	V	183 - 264
	Nominal input/ output frequency	Hz	60
	Operating range for frequency	Hz	45 - 66
	Nominal input/ output power (PAC nom)	W	10400 W (208V), 11000 W (220V), 12000 W (240V)
	Power factor		0.8 - 1 ind. / cap.
	Max. continuous input/ output current at Vnom	A	50
	Integrated interfaces		GPIO
	Admissible conductor size (AC)		AWG 14 to AWG 4
	Admissible conductor size (Data)		AWG 26 to AWG 16
	Maximum Phase Imbalance**	W	3,840

Protection Devices	Maximum overcurrent protection (Mains)	A	63
	Minimum short circuit breaking capacity	kA	10
	Internal overcurrent protection		F3-Control: Internal overcurrent protection MCB, 6A, type B, 2-pole 125 V.dc, 480 V.ac F2-Transformer: Internal overcurrent protection MCB, 16A, type C, 3-pole 125 V.dc, 480 V.ac F1-Sub: Internal overcurrent protection MCB, 63A, type C, 2-pole 125 V.dc, 480 V.ac

* Temperature derating would start earlier in higher elevations.

**This is applicable only to the Off-grid operation.

For more information about the product, visit:

www.fronius.com/en-us/usa/solar-energy/installers-partners

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EN_US V02 Jan 2026

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