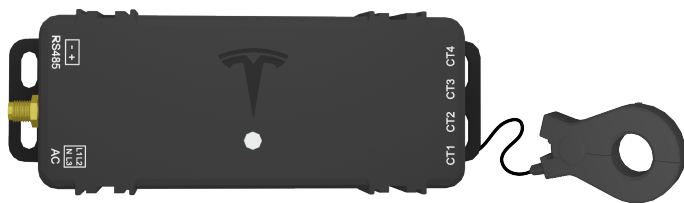




TESLA REMOTE ENERGY METER SPECIFICATIONS



Tesla Remote Energy Meter Specifications

Model Number	2002069-00-x
Accuracy	0.5%
Nominal AC Voltage	230 VAC ¹
AC Frequency	50 - 60 Hz
Maximum Power Consumption	3 W
Compatible CTs	Tesla 200A CTs (see Tesla 200A CT Specifications on page 3)
Connection Method	Wireless: Wi-Fi ^{2, 5}
	Wired: RS-485 harness (1.2 m or 4 ft) ^{3, 4, 5}
Overcurrent Protection Device (OCPD)	Maximum 16 A
Dimensions	145 x 52 x 31 mm
Ambient Operating Temperature	-30°C to 70°C
Conforms to	UL 61010-1, CSA C22.2 No. 61010-1, IEC/EN 61010-1, ANSI C12.1, IEC 62052-11, IEC 62053-21
Supported Applications	Site, Solar, Generator, Conductor
Compatible Grid Types	1 ϕ L1-N, 3 ϕ L1-L2-L3-N Wye ⁶

¹ Voltage harness (600 mm or 23.6 in) is included in the Tesla Remote Energy Meter kit. If additional length is required, the voltage harness can be extended using 1.5 - 6 mm² AC wiring. To maintain accuracy, keep the meter within 61 m of its breaker when using 2.5 mm² wire.

² An external Wi-Fi antenna and antenna extension cable are included in the Tesla Remote Energy Meter kit. When using Wi-Fi as the connection method, remote meters placed inside of load centers can be subject to signal interference, especially when a panel cover is installed. For best performance, where possible, use the included external antenna and the antenna extension cable to extend the external antenna.

³ RS-485 harness is not included in the Tesla Remote Energy Meter kit; it can be ordered individually (Tesla P/N 2045794-00-x).

⁴ If the RS-485 harness length is not sufficient, 0.2 - 1.5 mm² communication wiring can be used to extend the length up to a maximum of 100 m or 328 ft.



TESLA REMOTE ENERGY METER SPECIFICATIONS

⁵ A Powerwall 3 site can have a maximum of (2) Tesla Remote Energy Meters; (1) connected via RS-485 harness for measuring the site and another (1) connected via Wi-Fi for measuring the AC-coupled solar. Do not connect (2) Tesla Remote Energy Meters via Wi-Fi.

⁶ Connection to L1 and Neutral is always required.

 **NOTE:** Tesla Remote Energy Meter accessories are only compatible with Tesla Remote Energy Meter. Do not attempt to use Neurio meter accessories, or any other meter accessories, with Tesla Remote Energy Meter.



TESLA REMOTE ENERGY METER SPECIFICATIONS

Tesla 200A CT Specifications

Model Number	2033376-00-x
Capacity	200 A
Insulation Rating	600 V
Lead Length	1.5 m ⁷
Optional Extension	3.5 m ⁸
Optional Y-Splitter	Not available
Dimensions (L, W, H)	86 x 55 x 18 mm
Window Size	24 mm
Operating Temperature	-30°C to 85°C

⁷ If the CT lead length is not sufficient, do not splice the CT leads. Up to (2) CT extensions can be used to extend the length to a maximum of 8.5 m (1.5 m CT lead + 3.5 m extension + 3.5 m extension).

⁸ Extension is not included in the Tesla Remote Energy Meter kit; it can be ordered individually (Tesla P/N 2060713-xx-y).

Figure 1. Tesla 200A CT Dimensions

