

# The HotDrop

Self-Powered, LoRaWAN connected electrical meter



## Device Features

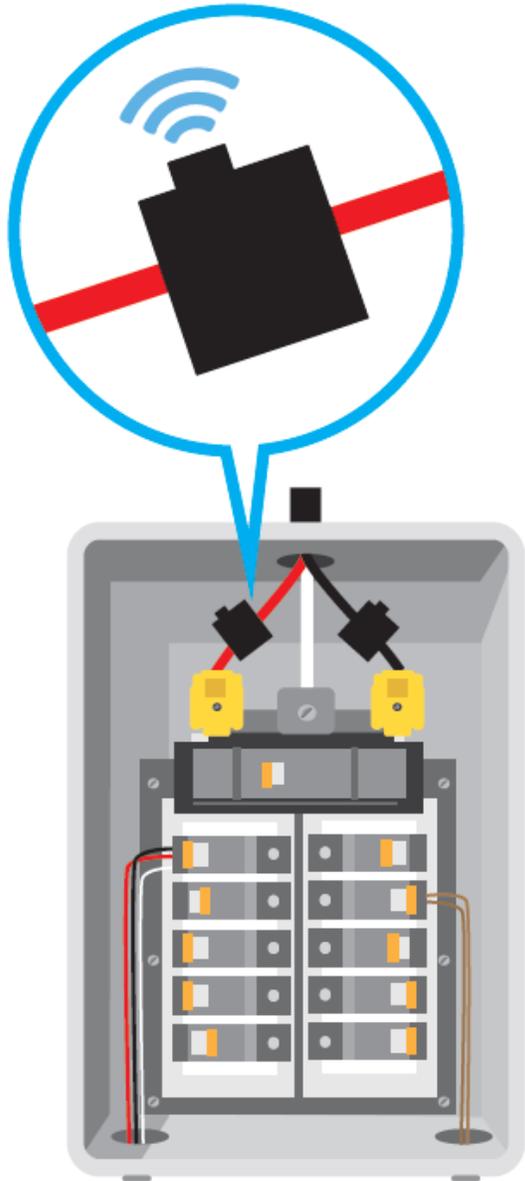
- Real-time energy use data acquisition
- Long range wireless communication
- Clean installation – no wires or batteries
- Fast installation - less than 5 seconds
- Solar and battery inverter integrations
- Web and phone apps for visualization
- Mobile phone configuration
- Encrypted private network

The HotDrop is a patent-pending advanced wireless current transformer (CT) with built-in data acquisition technology that needs no wires or batteries, and completely installs in less than 20 seconds. With its next-generation wireless radio, it is capable of transmitting over 10 kilometres line-of-sight, and through the most difficult of environments to provide accessible, real-time energy data. HotDrop's incredibly small form factor also allows it to fit in the tightest of spaces, and its real-time reporting ensures accurate installations.

The HotDrop is built for scale and includes encrypted communication for enhanced privacy and security, remote configuration for adapting and updating to different environments, cell phone pairing for rapid on-boarding, and even 3-phase wireless teaming for industrial and utility-grade installations.

The HotDrop is available in multiple energy rating versions to solve the smallest to the largest challenges in energy monitoring.

<https://Tether.co.nz>



HotDrop Specifications		
<b>PHYSICAL</b>		
Size	<b>Varies by model</b>	
	Standard Line:	2cm x 3.4cm x 8cm
	Main Line:	3.8cm x 4.7cm x 8.5cm
Weight	42.5g – 227g (Varies by model)	
Power Supply	Integrated; No power supply required	
<b>POWER</b>		
Volts/Amps	0-120VAC (0-30A, 0-300A), 50/60Hz	
	0-480VAC (300A, 0-1500A), 50/60Hz	
	0-13,000VAC (0-5,000A) variable Hz	
Accuracy	0.1 - 1% margin of phase angle drift True RMS Amps calculations	
<b>COMMUNICATION</b>		
Sampling Rate	0.16 seconds to 3 min. (varies by monitored wired)	
Data Reporting Rate	1/min (standard), 15-min (optional)	
ISM Radio	Long Range ISM (868/915 MHz)	
Bluetooth	Bluetooth 4.0, Bluetooth Low Energy (BLE)	
Security	128-bit AES + 128-bit RSA encryption (compounded)	
<b>ENVIRONMENT</b>		
Enclosure	Indoor rated. Outdoor weatherproof models available.	
Operating Temperature	-40 to +85 degrees Celsius	