

# BOLT™



INSTRUMENTS  
**TECHNO  
TEST**



## INCLUDED WITH SHIPMENT



1x 3 Channel  
Boxless Flex CT



1x Mounting Bracket



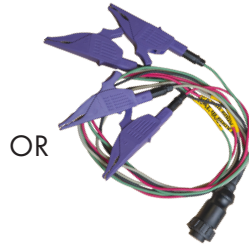
1x Bolt Recorder



1x USB Cable



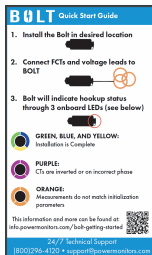
1x Voltage Cable



1x Dolphin Clip  
Cable



1x Soft Case



1x Quick Start  
Guide Card



1x Lanyard



1x RF Antenna  
(Cell model only)

INPUTS	AC Voltage	0 to 600 V RMS continuous per phase
	AC Current	0 to 5000 A RMS
	Sample Rate	15,360 samples / second 265 samples / cycle

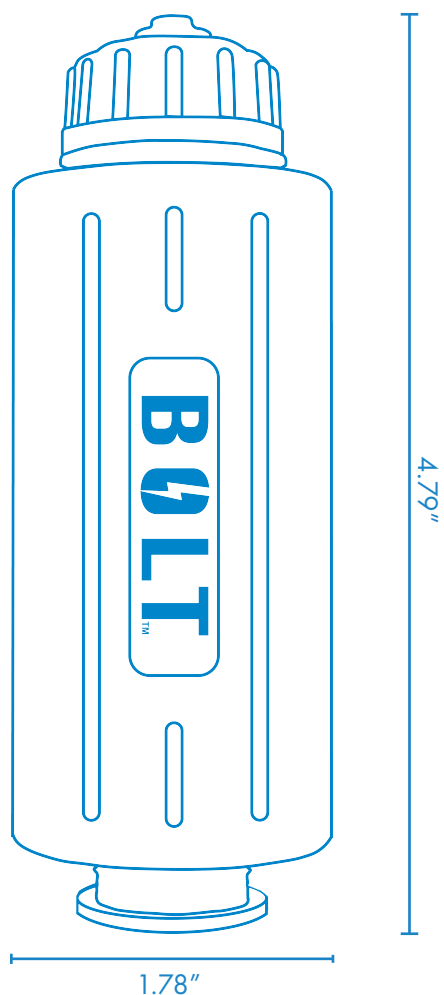
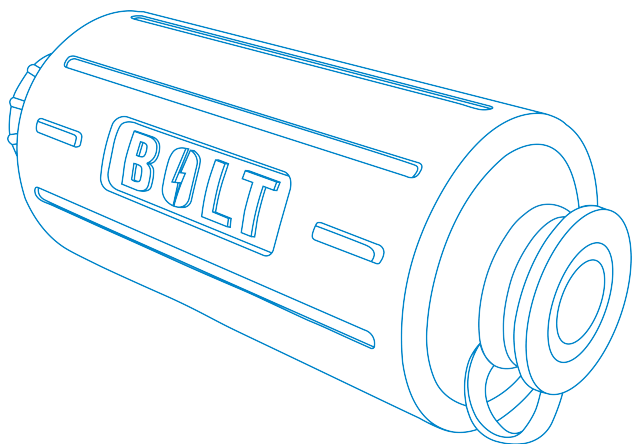
CHANNELS	Voltage	3 channels
	Current	3 channels

MEASURED QUANTITIES PER CYCLE	RMS Voltage	Volts
	RMS Current	Amps
	Real Power	Watts
	Apparent Power	VA
	Reactive Power	VARs
	Phase Angle	Degrees
	Power Factor	Watts / VA
	Displacement PF	cos (phase angle)
	Power Usage	kWh, kVARh, kVAh

ACCURACY	Voltage	0.33% of full scale
	Current	1.0% of full scale w/o probe
	Power	1.0% of full scale w/o probe
	Phase Angle	1.0° w/o probe
	Power Factor	±0.02 w/o probe
	Displacement PF	±0.02 w/o probe

HARMONICS	Voltage	to the 51 <sup>st</sup>
	Current	to the 51 <sup>st</sup>
	Measures	Magnitude, phase, THD

POWER FAIL OPERATION	Super capacitor	ride through for recording
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<b>TIME SYNCHRONIZATION</b>	User-configurable SNTP time synchronization through Wi-Fi	
<b>COMMUNICATIONS</b>	Standard Options	Wi-Fi, 4G LTE, Bluetooth, USB,
<b>INFORMATION STORAGE</b>	Data Storage	128 MB onboard storage, unlimited cloud storage
<b>RECORD SETTINGS</b>	Interval Graphs	1 cycle to 4 hour interval, user selected, stop-when-full or wrap-around memory modes
	Significant Change Flicker Settings	1 V to 8 V in 1 V steps User-defined, or conform to IEEE 1453/IEC 61000-4-15, and IEEE Std. 141
	Waveform Capture	Voltage and current threshold, periodic capture, waveshape, event cross triggers
<b>POWER SUPPLY REQUIREMENTS</b>	Voltage	60-600 VAC Channel 1 to Common (47-63-HZ)
	Power Consumption	3 Watts max 5 VA max at 600 V
<b>ENVIRONMENTAL</b>	Operating Temp	-20°F to +135°F
	Humidity	Less than or equal to 85%
	Shock	60 Hz to 2 kHz, acceleration 25 G
	Vibration	10 Hz to 60 Hz, amplitude 1.8 mm
	Max Altitude	2.0 km (6560 ft), derated about 2.0 km
<b>PHYSICAL DIMENSIONS</b>	Size	1.78" x 4.79"
	Weight	less than 1 lb
	Case	NEMA 4X
<b>SAFETY</b>	Designed to IEC 61010 -1, 600 V CAT III	