

Cleco[®]

NEW!
vmax[™]
Power Module

LIVewire[™]

Durable Production Performance

Cordless For Safety Critical Joints

COOPER PowerTools

The Most Cost-Effective Safe

Mobility is a major advantage with wireless communications. Cleco LiveWire™ is the ultimate wireless error proofing solution for production control. Configurable tool Internet Protocol (IP) addressing, encrypted wireless messaging and 512-cycle memory buffer ensure critical fastening data is never compromised. One line controller manages up to 10 cordless tools creating the most cost effective safety critical solution available today.

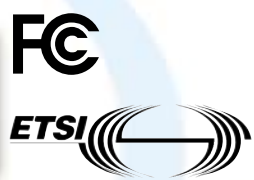
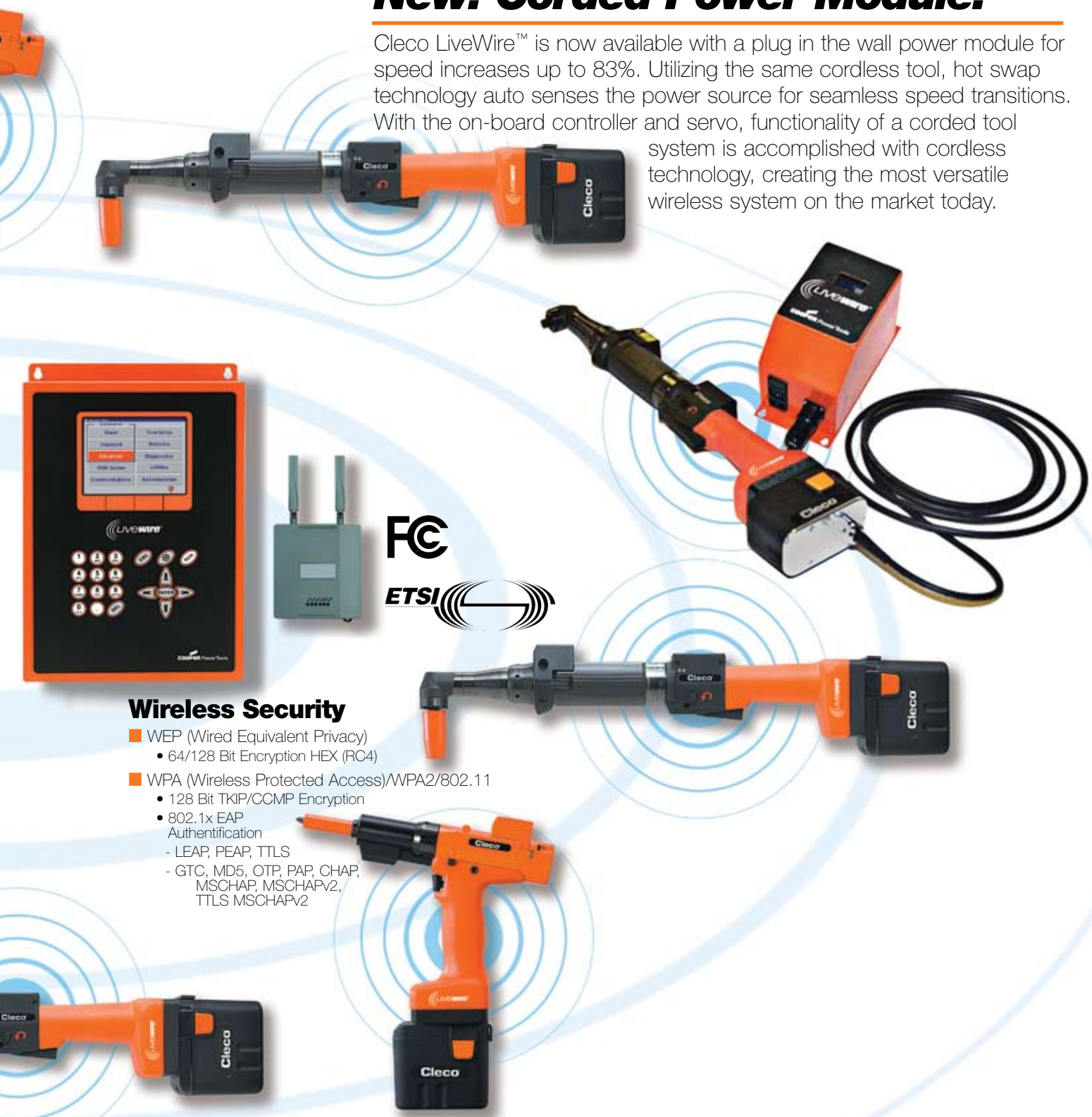
**10 Tools.
1 Line
Controller.**



Security Critical Solution Available.

New! Corded Power Module!

Cleco LiveWire™ is now available with a plug in the wall power module for speed increases up to 83%. Utilizing the same cordless tool, hot swap technology auto senses the power source for seamless speed transitions. With the on-board controller and servo, functionality of a corded tool system is accomplished with cordless technology, creating the most versatile wireless system on the market today.



Wireless Security

- WEP (Wired Equivalent Privacy)
 - 64/128 Bit Encryption HEX (RC4)
- WPA (Wireless Protected Access)/WPA2/802.11
 - 128 Bit TKIP/CCMP Encryption
 - 802.1x EAP Authentication
 - LEAP, PEAP, TTLS
 - GTC, MD5, OTP, PAP, CHAP, MSCHAP, MSCHAPv2, TTLS MSCHAPv2

All The Brains. All The Power.

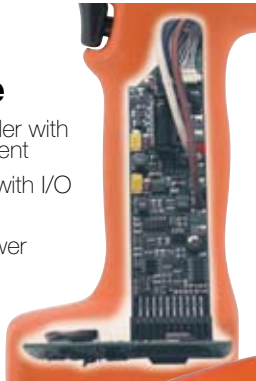
LiveWire™ offers precision torque, angle and speed control features for safety critical fastening in a lightweight, wireless design.

With up to 1,000 tightening operations per battery charge and quick charge cycles, your safety critical applications are assured to never run out of power.

LiveWire™ has been designed and tested to provide wireless connectivity across the harshest of machine-to-machine environments.

Electronic Intelligence

- On-board controller with power management
- Integrated servo with I/O signal handling
- Auto sensing power intelligence



Low vibration soft grip handle



High Resolution Resolver

- Rotor position detection
- Angle control and monitoring for Quality Assurance
- Full range speed control for operator ergonomics



Operator Status Display

- Configurable real-time 3 line display
- Green/Red/Yellow LCD for status
- 2 configurable application buttons
- Multiple LED status indicators

Low compression trigger

Battery Technology

- 26V, 1.6 Ah Li-Ion rechargeable battery
- High power-to-weight technology
- Up to 1,000 cycles per charge (hard joint)
- >900 charging cycles
- Fully charged in 1 hour



Power. And It's Wireless.

Solid metal construction for maximum durability

Integrated Bar Code Scanner (optional)

- Enables real-time bar code data collection
- Programmable bit for Auto Parameter Select
- Tool enable and disable configurability

Precision Gearing

Configurable LED Illumination

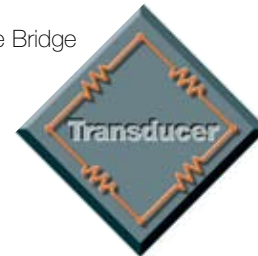
Apex Guard

Reaction Transducer

- Accurate detection of torque via Strain Gage Bridge
- Torque traceability of safety critical joints

Brushless Motor

- Superior performance with full range speed control
- Low rotor inertia for high torque accuracy



Digital Audio Interface

- Operator audible alarm
- Programmable sound duration



Cleco Cordless Tool Specifications

17B Pistol Series	Torque Range		Free Speed	Weight* Less Battery		Output Drive Size	Length With Battery		Voltage
	Model Number	Ft.Lbs.		Nm	lbs.		kg	in.	
17BPXSB05Q	2.2-3.7	3-5	1639	2.8	1.29	1/4" Hex	8.44	214.5	26
17BPXSB07Q	2.2-5.2	3-7	1161	2.8	1.29	1/4" Hex	8.44	214.5	26
17BPXSB09Q	2.2-6.6	3-9	887	2.8	1.29	1/4" Hex	8.44	214.5	26
17BPXSB13Q	2.2-9.6	3-13	629	2.8	1.29	1/4" Hex	8.44	214.5	26

47B Angle Series	Torque Range		Free Speed	Weight* Less Battery		Output Drive Size	Length With Battery		Voltage
	Model Number	Ft.Lbs.		Nm	lbs.		kg	in.	
47BAXSB15AM3	4.1-11.1	5.5-15	538	4.3	1.95	3/8" SQ	21.79	553.5	26
47BAXSB21AM3	5.9-15.5	8-21	411	4.3	1.95	3/8" SQ	21.79	553.5	26
47BAXSB28AM3	7.4-20.7	10-28	291	4.3	1.95	3/8" SQ	21.79	553.5	26
47BAXSB35AM3	9.6-25.8	12-35	244	4.9	2.22	3/8" SQ	23.05	585.5	26
47BAXSB50AM3	13.3-36.9	18-50	168	5.0	2.27	3/8" SQ	23.39	594.0	26
47BAXSB70AH4	18-52	25-70	123	8.4	3.79	1/2" SQ	26.7	678.0	26
47BAXSB110MH4	28-81	38-110	69	8.4	3.79	1/2" SQ	26.7	678.0	26

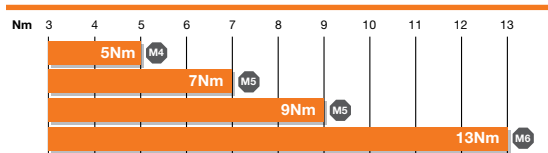
*Weight of 26V Li-Ion battery (1.04lbs./0.47kg).

General: All tools must be used with a approved Cooper Power Tools line controller.

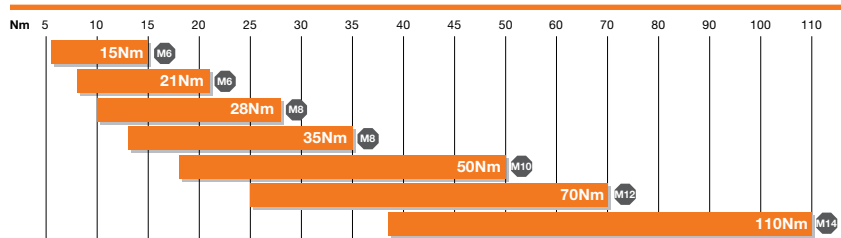
Standard Equipment:

Integrated infrared communications.

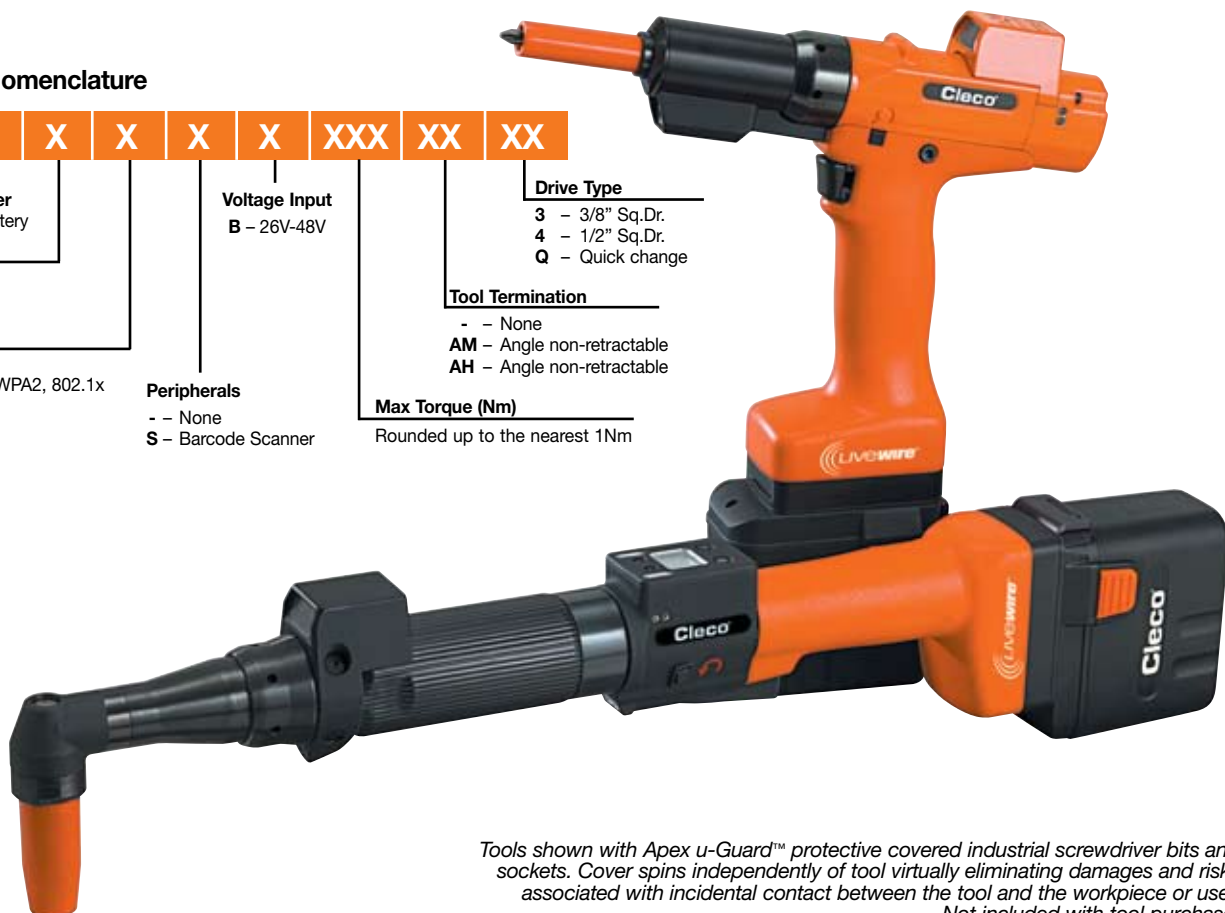
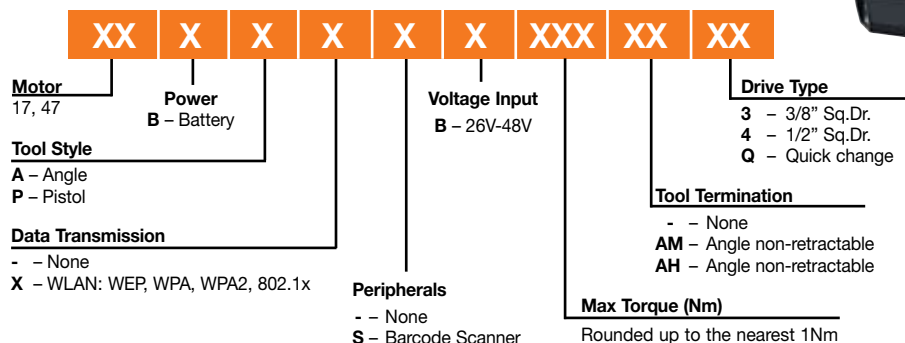
Pistol Tool Series 3-13 Nm



Angle Tool Series 5-110 Nm



Cordless Tools Nomenclature



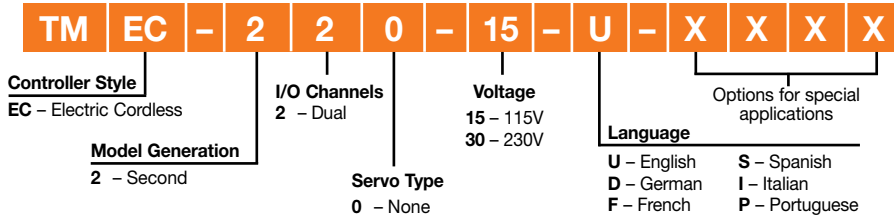
Tools shown with Apex u-Guard™ protective covered industrial screwdriver bits and sockets. Cover spins independently of tool virtually eliminating damages and risks associated with incidental contact between the tool and the workpiece or user. Not included with tool purchase.

TMEC Series Tightening Manager Controller

- Multiple channel configurations
- Configurable 24V I/O
- Ethernet TCP/IP standard
- Serial & USB ports standard
- Local data storage & troubleshooting
- High resolution color LCD
- Full programming keypad



TMEC Nomenclature



TMEC

Model Number*		Features	Weight		Width		Height		Depth	
115VAC	230VAC		lbs.	kg	in.	mm	in.	mm	in.	mm
TMEC-220-15-*	TMEC-220-30-*	1-10 channel controller, Ethernet I/O	13	5.9	11	279.9	17	431.8	5	12.7

*Languages offered: D-German, P-Portuguese, S-Spanish, U-English, F-French, I-Italian

Cordless Tool Power Module

- Up to 83% speed increase!
- Auto sensing input – (85-275 VAC)
- Power & status LEDs
- Electronic circuit protection
- Durable metal housing
- Light weight – 6.8lbs. (3.1kg)



Power Module

Model No.	Description	Weight		Width		Length		Depth	
		lbs.	kg	in.	mm	in.	mm	in.	mm
961340	48V power module	1.5	6.8	9.4	240	4.7	120	5.9	150

Speed Improvement Comparison

Series	Model Number	Free Speed (RPM)		% Increase
		26V Battery	48V Power Module	
Pistol	17BPXSB05Q	1639	2428	48%
	17BPXSB07Q	1161	1721	48%
	17BPXSB09Q	887	1314	48%
	17BPXSB13Q	629	931	48%
Right Angle	47BAXSB15AM3	538	983	83%
	47BAXSB21AM3	411	751	83%
	47BAXSB28AM3	291	532	83%
	47BAXSB35AM3	244	447	83%
	47BAXSB50AM3	168	293	75%
	47BAXSB70AH4	123	216	75%
	47BAXSB110MH4	69	120	75%



SPEED INCREASE UP TO 83 PERCENT



TMEB-COM Software

Part Number	Description
TMEB-COM-V2.03 (V2.03.06 or higher)	Programming software

Tool Holders

Part No.	Description
935144	Pistol tool holder w/infrared interface
935396	Pistol tool holder
935290	Angle tool holder w/infrared interface
935395	Angle tool holder
935170	Infrared interface cable
935998	70/105 Nm RA & Crowfoot tool holder
935999	70/105 Nm RA & Crowfoot tool holder w/infrared interface



Tool Holder Extension Cables

Part No.	Description
935154	9' (3m) extension cable
935155	19.5' (6m) extension cable
935157	33' (10m) extension cable

Vmax Cables

Part Number	
Tool	Extension
961341-***	961342-***

***Length: 030=3m, 060=6m, 080=8m, 100=10m

WLAN Access Point

2.4 GHz NA No.	Description
543995	WLAN Access Point

Radio Range: 30-50 meters
IEEE 802.11b
Max. Tools: 10



961323 / 593995

Spare Battery

Part No.	Description
935377	26V Li-Ion battery (1.04lbs./0.47kg)



935377

Battery Charger

Part No.	Description
935391	26V battery charger

- Auto sensing – (100-240 VAC)
- Charge time: 1 hr.
- Power/Charge/Error LED indicators



935391

Pistol Dead Handle

Part No.	Description
301837	Reversible handle mount



301837

Services & Support

Even the most durable tools need a support plan to cover maintenance. Cooper Services offers responsive customer support and maintenance services, ensuring your solution operates seamlessly and efficiently.

For more information on our wireless intelligent products, contact us at 1-800-845-5629, or visit www.cooperpowertools.com.

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