










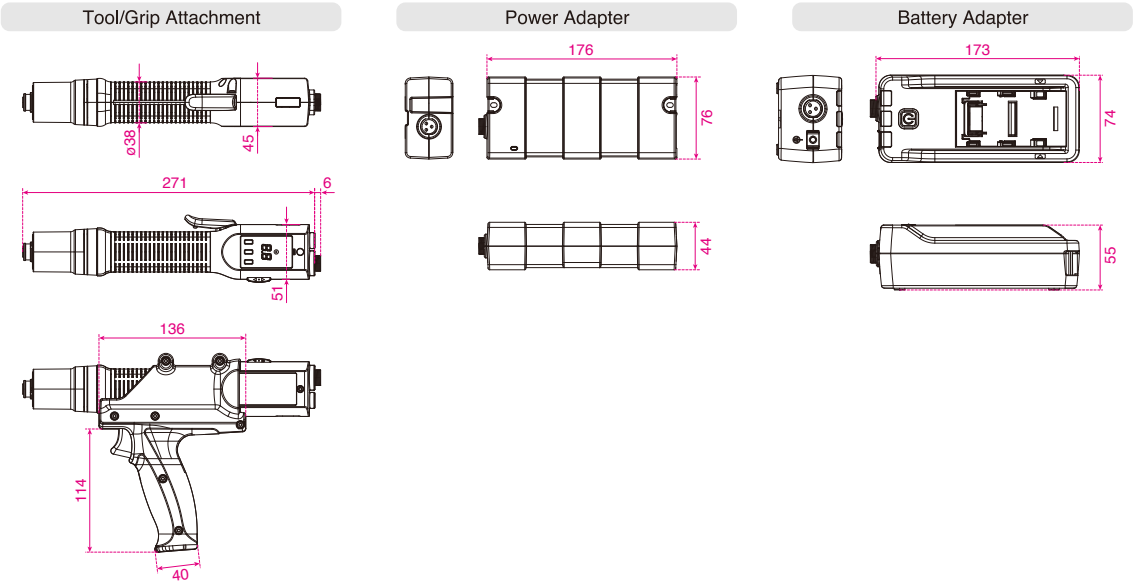


Accessory Chart

● : Standard ○ : Sold separately

			Type A		Type B		Type C		Type D	
Power Adapter / Cord		EYSZP001B	○		○		○		○	
Battery Adapter		EYSZP002B	○		○		○		○	
2m Screwdriver Cord		EYSXC120B	●		●		●		●	
3m Screwdriver Cord		EYSXC130B	○		○		○		○	
Communication Cable		EYAXC230B	N/A		N/A		○		N/A	
Hanging Hook		EYSXA100B	●		●		●		●	
Clutch Cover		EYSXA101B	●		●		●		●	
Grip Attachment		EYSXA102B	○ EYADA212WA EYADA218WA	● EYADA407WA	○ EYADA212WB EYADA218WB	● EYADA407WB	○ EYADA212XC EYADA218XC	● EYADA407XC	○ EYSDA212XD EYSDA218XD	● EYSDA407XD
Mode setting button cover <i>(Available Summer 2024)</i> <small>*The cover design is subject to change.</small>		EYSXA103B	●		●		●		N/A	
WLAN Controller		EYARW1B	○		○		N/A		N/A	
Controller Management Software <small>*Only for wireless capable models</small>		EYASW1B	○		○		N/A		N/A	

Dimension



Panasonic

Panasonic Corporation
1006,Kadoma,Osaka 571-8501,Japan

Due to ongoing product development specifications are subject to change without notice
Product colors may vary slightly from those pictured in catalog

Panasonic

Factory Use

Electric Screwdriver Catalog
2024

Electric Screwdriver
System

Taking on-site
assembly work
to the next level

4 types
16
models

*There are models limited to particular regions.



WLAN Controller
EYARW1B



Battery Adapter
EYSZP002B

Electric Screwdriver System

Each equipped with a brushless motor with various functions to cater to different operational needs

Traceability

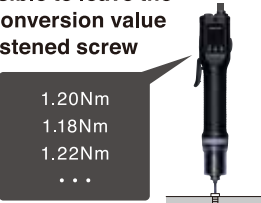
- Collect work data for further productivity improvement
- Keep work data for traceability (Wireless)

On-site work data can be recorded and analyzed.

On-site work can be recorded



It is possible to leave the torque conversion value of the fastened screw



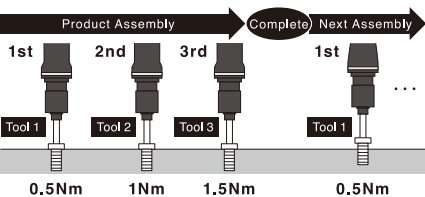
Pokayoke

- Reduce the risk of errors in your work
(Fastening errors, Improve fastening quality, etc.)

Equipped with count function to prevent forgotten fasten screws.



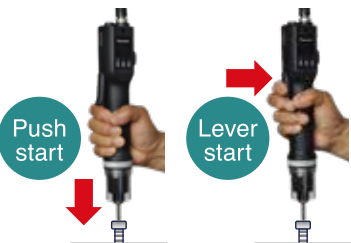
Sequence control when using multiple tools. Function is set by controller



User-Friendly

- Ergonomic design
- Push and Lever start selection

Each Tool gives you the option between Push or Lever start method



Verification Lamp



Lights up green when the work is completed by the operated clutch.




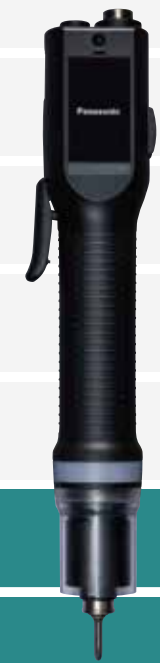


Lights up in red when the work is completed with the clutch inactive.



Product Lineup

A wide range of products to solve your on-site problems

Electric Screwdriver Category	Traceability								Pokayoke				User-Friendly			
	<ul style="list-style-type: none">Collect work data for further productivity improvementKeep work data for traceability (Wireless)								<ul style="list-style-type: none">Reduce the risk of errors in your work (Fastening errors, Improve fastening quality, etc.)				<ul style="list-style-type: none">Ergonomic designPush and Lever start selection			
4 different types	Type A				Type B				Type C				Type D			
Model number	EYADA112WA	EYADA212WA	EYADA218WA	EYADA407WA	EYADA112WB	EYADA212WB	EYADA218WB	EYADA407WB	EYADA112XC	EYADA212XC	EYADA218XC	EYADA407XC	EYSDA112XD	EYSDA212XD	EYSDA218XD	EYSDA407XD
Rotation speed	1,200rpm	1,200rpm	1,800rpm	650rpm	1,200rpm	1,200rpm	1,800rpm	650rpm	1,200rpm	1,200rpm	1,800rpm	650rpm	1,200rpm	1,200rpm	1,800rpm	650rpm
Torque setting range	0.1~1.0Nm	0.3~2.5Nm	0.3~2.0Nm	1.5~4.4Nm	0.1~1.0Nm	0.3~2.5Nm	0.3~2.0Nm	1.5~4.4Nm	0.1~1.0Nm	0.3~2.5Nm	0.3~2.0Nm	1.5~4.4Nm	0.1~1.0Nm	0.3~2.5Nm	0.3~2.0Nm	1.5~4.4Nm
(Converted) Torque value output																
Data output method	Wireless (WLAN) 				Wireless (WLAN) 				Communication cable to PLC required 							
Sequence function	Compatible with Controller				Compatible with Controller				Communication cable to PLC required							
Count function																
Soft start/Soft Snug function																
LED Verification lamp																
Push/Lever start choice																

* There are models limited to particular regions.



Various Support Features *Improving work production and quality by assisting operators with our tools*



Traceability

Type A

Recording the "converted" torque value of each fastened screw is possible

The motor current can be converted to torque value and recorded, for quality check or base data of process improvement.

1.20Nm
1.18Nm
1.22Nm
...

(*Type A)

* Torque converted value is an estimated value. Use only for reference for tendency control etc. Not recommended for strict quality data.



On-site work data can be recorded wirelessly with WLAN

Type A B

Production site operation can be recorded

Data such as fastened count, fastened quality, torque converted value* can be recorded, for quality check or daily report purposes.



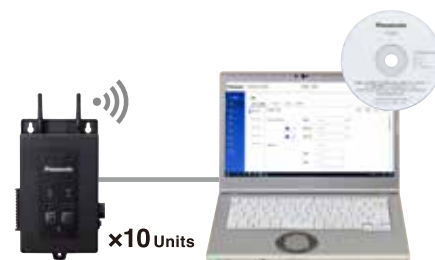
*torque converted value is Type A only

Traceability

Type A B

Productivity can be improved by operation analysis

Work data such as work time, OK/NOK result and reverse rotation history from rework can be collected and used for work analysis and/or as productivity index. The optional Controller management software can collectively analyze work data from up to 10 controllers. In addition, work data can be output in CSV format for more detailed analysis.



(Controller Management Software) collects and analyzes data up to 80 units (Max)

*By wired LAN

Pokayoke

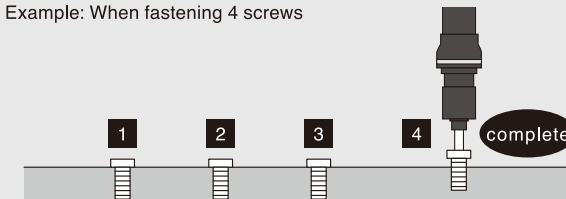
Type A B C

Reducing work mistakes with the assistance of tool features (Screw count errors, manufacturing errors, etc)

Equipped with count function to prevent forgotten fastened screws.

The number of fastens is managed by the counter. You can check if the specified number of screws were fastened, preventing workers from forgetting to fasten screws.

Example: When fastening 4 screws



The number of screws can be managed by setting the count from the separate controller.

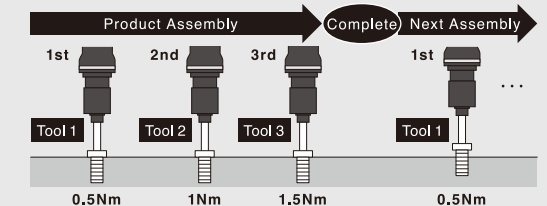
*Separate counter is not required



Sequence function for using multiple tools in specific orders. Function is set by controller.

Use according to the fastening order when tightening screws with different torque values. Programmed so that only the tool that is required is powered on.

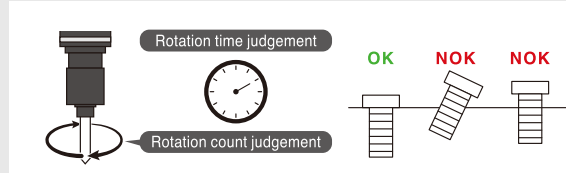
Ex.: When using 3 tools



Operational tool is indicated in green. When the wrong tool is operated, it will display red and will not be powered on.

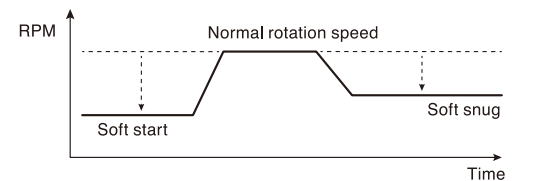
Advanced fastening judgement

Improve work quality by having control of the tool's rotation time and the threshold for the number of rotations when fastening screws. Work OK/NOK is displayed with LED colored lamps



Suitable for delicate screw fastening

- Soft start/soft snug function reduces cross thread errors
- Reduces risk of damaging delicate material with soft snug



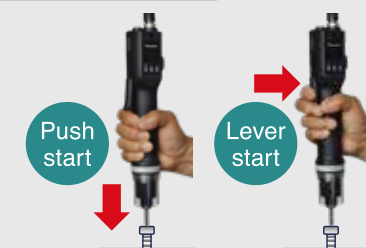
User-Friendly

Type A B C D

Create efficient and stress-free work

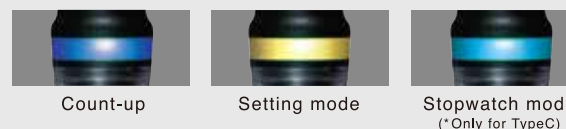
Start Method

Each Tool gives you the option between Push or lever start method



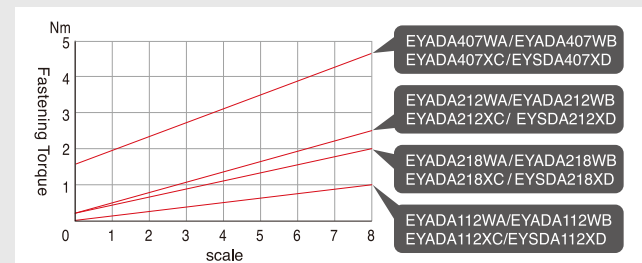
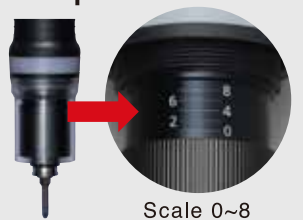
Verification Lamp

Screw fastening results can be checked visually by different colors indicated by the LED lamp.



Clutch scale and clutch torque

Manually rotate the clutch dial to the desired torque value referring to the approximate guidance output.



* There are models limited to particular regions.

All 16 products *Selectable according to the application*

Type **A** **B**



Type **C**



Type **D**



Specification

Type A	EYADA112WA	EYADA212WA	EYADA218WA	EYADA407WA
Type B	EYADA112WB	EYADA212WB	EYADA218WB	EYADA407WB
Type C	EYADA112XC	EYADA212XC	EYADA218XC	EYADA407XC
Type D	EYSDA112XD	EYSDA212XD	EYSDA218XD	EYSDA407XD
Power Supply	Power supply from power adapter (sold separately) AC100-240V 50/60Hz			
Motor	Brushless motor (coreless type, DC30V)			
Chuck	One-touch bit lock system applicable bit (6.35 mm opposite side hexagonal shank, single head 9-13 mm, double head 12-17.5 mm)			
Start Method	Supports both push start / lever start (selectable)			
Torque accuracy	Repeated torque accuracy $\pm 10\%$ (Internal measurement conditions)			
Torque setting range	Approx: 0.1~1.0Nm (*adjustable in 96 steps)	Approx: 0.3-2.5Nm (*adjustable in 96 steps)	Approx: 0.3-2.0Nm (*adjustable in 96 steps)	Approx: 1.5-4.4Nm (*adjustable in 96 steps)
Recommended work	Small screw: M2~M3	Small screw: M2.5 to M4.5	Small screw: M2.5 to M4	Small screw: M3.5 to M5
Rotation speed	1200 rpm		1800 rpm	650 rpm
Mass	Approx. 630g			
Size	Total length 271mm, grip diameter $\phi 38\text{mm}$			
Common specifications	• Forward/reverse rotation switching • Brake ON/OFF setting			

Function Chart

	Type A	Type B	Type C	Type D
Notification (Lamp, Buzzer)	√ (Verification LED, buzzer)			√ (Verification LED)
Number count	√ (Count method setting, count return setting, ignore judgment setting, ignore count setting, count-up judgment standby setting, count reset)			—
Judgment of screw fastening	√ (Upper / lower limit setting of rotation time and number of rotations)		√ (Upper / lower limit of rotation time)	—
	√ (Upper/lower limit setting of torque conversion value)	—	—	—
Screw fastening support	√ (Soft start setting, soft seating setting, prohibition of additional fastening setting)			—
	—		√ (Rotation automatic stop setting)	—
Sequence control	√ (Must be set on the receiver side)		√ (Must be set on the PLC side)	—
Data communication	√ (Wireless*, optional receiver required) * WLAN (IEEE802.11a/b/g/n)		√ (Wired, communication cable sold separately is required)	—

* There are models limited to particular regions.

Wireless Communication

WLAN controller with maximum 8 tools simultaneous control capability



Various technologies for stable wireless communication

- Recommended range

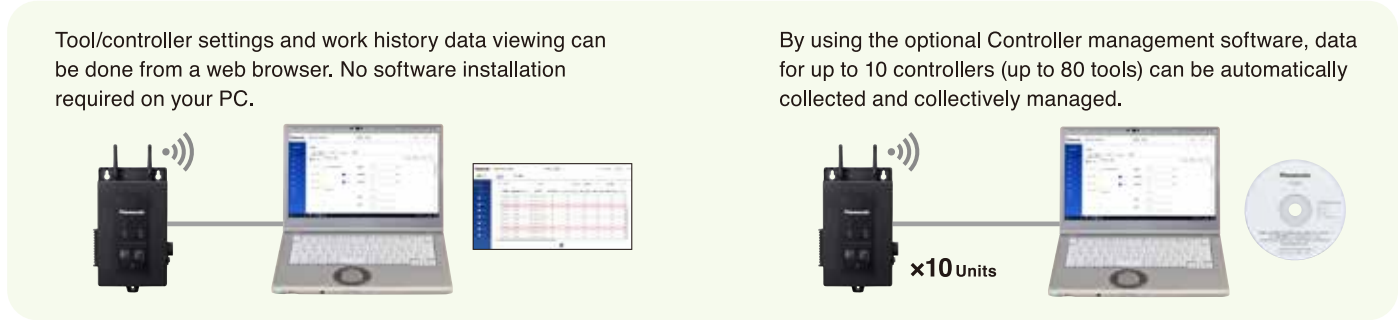
approx **16m** 2.4GHz
- Recommended range

approx **10m** 5GHz
- **Support for both 2.4GHz and 5GHz frequency**
To avoid interference, the frequency can be selected according to the usage environment. There is also an auto channel function that automatically selects an empty channel.
 - **High efficiency antenna design**
Stable communication performance is achieved by the highly efficient antenna design (average -5dBi) of the diversity antenna on the controller and the transmission module on the tool. Demonstrates high performance with various tool positions and directions.
 - **Safety function in case of communication disconnection**
Work history data can be backed up in the tool and resent to the controller even when communication is temporarily disconnected, allowing work to continue.
 - **High security**
Communication data is encrypted and protected by TLS.

Maximum 8 tools simultaneous control



Setting and viewing from a web browser



Various control of tools is possible without external equipment

Batch	Sequence
<p>Continuous work with 1 tool</p> <p>Up to 5 batches can be registered for a tool</p>	<p>Continuous work with multiple tools</p> <p>Ex. Multiple fastening works with multiple target torque</p> <p>Up to 10 steps (batches) can be set for a sequence Up to 5 sequences can be registered in a controller</p>

Model	EYARW1
Communication data	• OK/NOK • Converted torque result • Forward/Reverse • Number of rotation • Fastening time
Rated supply voltage	AC100-240V 50-60Hz
Communication method	WLAN (IEEE802.11a/b/g/n)
Frequency band	(European nations, Turkey, Malaysia, Indonesia, Thailand, India) 2.412-2.472GHz / 5.180-5.240GHz (United States, Canada, China) 2.412-2.462GHz / 5.180-5.240GHz
Channel	(European nations, Turkey, Malaysia, Indonesia, Thailand, India) 2.4GHz band: 1ch – 13ch / 5GHz band: 36,40,44,48ch (United States, Canada, China) 2.4GHz band: 1ch – 11ch / 5GHz band: 36,40,44,48Ch
Recommended range	2.4GHz band: *approx. 16m / 5GHz band: *approx. 10m
No. of connectable devices	Maximum 8 tools
Input/output terminal (I/O)	Input: 8 / Output: 8
Power consumption	approx. 30W
Dimensions (LxHxW)	approx. 239mm × approx. 150mm × approx. 41mm (Hight including antenna: approx. 281mm)
Weight	550g (Main body only)
Communication interface	• Ethernet × 2 • USB-A × 1
Communication protocol	–
Data storage	Approx. 200,000 history data
Optional accessory	• Controller stand • AC adapter
Compatible tools	EYADA112WA, EYADA112WB, EYADA212WA, EYADA212WB, EYADA218WA, EYADA218WB, EYADA407WA, EYADA407WB

* Communication range varies with operating environment.
The presence of metal walls, people, or other objects may result in decreased range.
* There are models limited to particular regions.



<Optional Accessory>

Controller stand
WEYFRW1F7001

AC adapter
(NA)
WEYFRW1K7651
(EU,TUR,THA,IDN)
WEYFRW1K7751
(GBR, MYS)
WEYFRW1K7851
(CHN)
WEYFRW1K7951
(IND)
WEYFRW1K7151

Controller Management Software

Optional software is available for managing traceability data from up to 10 controllers

Manage 10 controllers from one software

Back Office

Controller Management Software
EYASW1B

LAN

Assembly Line

What you can do with the controller management software

1 Fastening History Data Management



Assembly Line



Back Office



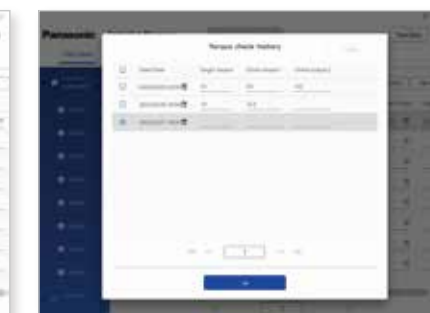
Maximum 40 million fastening history data collected from up to 10 controllers (80 tools) can be stored in one software. Your PC doesn't have to be in the same place with the controllers when the PC and controllers are in the same local area network.

2 Fastening History Data Analysis



The worst 5 tools with the highest NOK rate or number of reverse fastenings (reworks) can be shown and you can easily find the bottleneck tasks. Trend changes in torque, fastening time, number of rotation in a fastening, and OK rate can be monitored over time.

3 Tool Status Management



You can record the usage history of the tools such as its start date of use, cumulative number of fastening works and latest repair date. Also, torque check history of the tools can be recorded as the evidence of the tool performance check.

● Operating environment and specifications <Controller Management Software>

Model		EYASW1B
Operating environment	Compatible OS	Windows10 (64 bit) or later
	Compatible PC (CPU)	2.0 GHz, 4 or 2 cores, 4 or more logical processors
	Storage	8 GB or more
	Recommended hard disk capacity	SSD 100 GB or more
	Recommended resolution	1024 × 768 or more
	Interface	Optical drive (for software installation) USB Type-A (for license authentication) Ethernet port (for communication with a controller)
	Software environment	.NET Core 3.1
Specifications	Number of storable data	Maximum 40 million fastening history data
	Number of registrable controllers	Maximum 10 controllers
	Security	USB key activation
	Supported language	English, Japanese
	Standard accessory	USB dongle key × 1
	Applicable controllers	EYARW1 *Including varieties



Battery Adapter

The battery adapter for the electric screwdrivers, allows you to work without an AC outlet nearby!

EYSZP002B

Power can be supplied using only the battery pack. This allows easy movement and line changes on-site.

No Need

Battery pack must be charged.

Number of continuous operations

Approx. 8,100 screws

*When measured under our conditions using EYADA218XC and battery EYFB50.

Achieve stable performance, regardless of battery level.

1 Stable Power supply

The built-in stabilized power supply boosts the battery voltage to 30V DC and supplies a stable power supply to the tool at all times.

2 Automatic power shut off

The power supply will automatically shut off before the battery voltage drops too low. The power of the battery adapter will then be shut off and will require a charged battery for it to operate again

Output voltage from adaptor 30V DC

Battery pack voltage 18V DC, 14.5V DC, 10.8V DC

Boost up battery pack voltage to stable 30V DC

Battery level display status

Full battery capacity

Half battery capacity

Less than half battery capacity

Empty battery capacity

Flashing to notify automatic power shutoff

* The battery capacity indicator is for reference only. Actual values may vary depending on condition of battery pack, tempature, etc.

Select the best way to use for your work environment

Can be mounted to applicable surfaces. (Mounting piece included)

When used on a flat surface

Can also be used as a shoulder bag

*Shoulder belt accessory (Sold separately) EZ37C6F7002

● Rated Specifications <Battery Adapter>

Model	EYSZP002B					
Function	Battery level LED, Battery protection (dead battery lamp, high battery temperature indicator lamp), Auto-off function, Wall-mountable (bracket included)					
Power supply	Output DC 30V/3A, 1 terminal *for connection with screwdriver cord (EYSXC120B/130B)					
Size/Weight *	Length 178 x Height 55 x Width 74mm/440g (only main body)					
Height with applicable battery pack *	EYFB50 (18V 5Ah) 105mm		EYFB43 (14.4V 4Ah) 104mm		EYFB30 (10.8V 3Ah) 104mm	
			EYFB41 (14.4V 2Ah) 86mm		EYFB32 (10.8V 2Ah) 86mm	
Capacity reference* (with full charge)			112・212 series Machine screw M3×8	218 series Machine screw M3×8	407 series Machine screw M3×8	407 series Machine screw M5×8
	EYFB50	18V 5Ah	8,000 pcs	8,100 pcs	7,900 pcs	7,100 pcs
	EYFB30	10.8V 3Ah	2,800 pcs	2,900 pcs	2,800 pcs	2,600 pcs

√ : Available * : Numbers are approx.

Design overview

Battery Terminal

Power Button

55mm

74mm

178mm

Shoulder belt placement

Earth Grounding Terminal

Mounting screw hole available for wall mounting

Screwdriver power supply terminal

*Ground wire is not included. If necessary please prepare it yourself.

Solve your factory floor issues with this one solution!

Changing the production line layout is difficult due to a mix of high and low production volume,

Tangling and crowding cables do to multiple outlet connections

Limited working range due to cable length. Especially on bigger products.

Risk of accidents with electrical cables extending from outlets.

Because no AC outlet is required, the battery adapter makes it easy to make changes in production lines quickly!

Power is supplied from the battery adapter to avoid the crowding of cables.

Allows the operator the freedom to work from any area not being restricted by outlets or cable length.

No AC outlet is required. Eliminate hazardous cables and prevent workplace accidents.