



M18 **M12**

BATTERY AND CHARGER POSITIONING GUIDE

TRAINING RESOURCE



M18 **REDLITHIUM**
FORGE



M18 **REDLITHIUM**



M12 **REDLITHIUM**
HIGH OUTPUT



M18 **Dual Bay Simultaneous**
SUPERCHARGER



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WHAT KEY TAKEAWAYS SHOULD I HAVE FROM THIS GUIDE?

KEY TAKEAWAYS FOR BATTERIES:



- Understand what REDLITHIUM™ is. _____ 5
- What the 3 key battery tradeoffs are and how I can use them to qualify my users/distributors. _____ 11
- Understand what batteries are best for the top tools per trade to help work with users/distributors on how to choose what battery is best for their tool. _____ 38-44
- How COOL-CYCLE™ benefits the user. _____ 16
- How resistant batteries help transportation/maintenance/manufacturing users. _____ 17

KEY TAKEAWAYS FOR CHARGERS:



- There is more to selecting the right charger than charge speed. _____ 24
- Who each charger is “Best For.” _____ 25
- How new charging solutions work and who they're optimized for. _____ 26, 29
- How charging technologies like COOL-CYCLE™ & CHARGE ADAPT™ work. _____ 27



BATTERY FUNDAMENTALS



REDLITHIUM™ INTRODUCTION

WHAT IS MILWAUKEE'S BATTERY ADVANTAGE?

WORLD LEADER IN CORDLESS TECHNOLOGY

REDLITHIUM™

**MORE
POWER** | **MORE
RUN-TIME** | **LONGER
BATTERY LIFE**

MILWAUKEE® has consistently delivered advancements providing users with more power, extended run-time, longer life, and faster charging while maintaining full system compatibility since 2007. MILWAUKEE® was first to introduce lithium-ion battery technology in power tools, and leads the industry by continuing to drive innovation in cell technology, pack construction, electronics, and intelligent charging solutions to maximize user productivity.



CELL TECHNOLOGY

REDLITHIUM™ batteries leverage the best-performing and highest-quality lithium-ion technology, developed through deep partnerships with world leaders in cell design. Our world-class battery lab ensures optimum performance and life for the most demanding jobsite conditions.



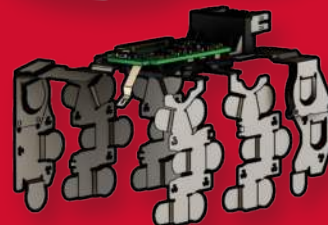
PACK CONSTRUCTION

REDLITHIUM™ batteries utilize unique, patented designs to protect against drops, water, and extreme temperatures. This significantly improves durability in harsh jobsite environments.



ELECTRONICS

REDLINK™ Intelligence provides industry-leading communication between the battery, tools and chargers ensuring optimum tool performance, compatibility, and battery life.



M18™ REDLITHIUM™
FORGE™ HD12.0
Battery Pack
48-11-1813

FITS M18™ TOOLS SINCE 2007



M18 BATTERY STEP-UP

**WHAT IS THE STEP-UP STRATEGY
FOR M18™ BATTERIES?**

M18 **REDLITHIUM
FORGE**

MOST POWER
FASTEST CHARGING
LONGEST LIFE



M18 **REDLITHIUM
HIGH OUTPUT**

MORE POWER



M18 **REDLITHIUM**



FITS M18 TOOLS

WHAT BATTERIES DO WE HAVE WITHIN EACH TIER FOR M18™?



CP



XC



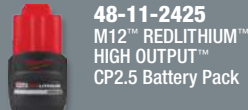
HD



WHAT BATTERIES DO WE HAVE WITHIN EACH TIER FOR M12™?



CP



XC



LIGHT DEMAND

HEAVY DEMAND



Less weight
and smaller size



More power
and run-time



LEARNING TO QUALIFY THE USER

- DISTINGUISHING PURCHASERS
AND OWNER/OPERATORS
- 3 KEY BATTERY TRADEOFF DECISIONS
 - M18™ POWER SCALE
 - M12™ POWER SCALE
 - RUN-TIME vs POWER
 - EXAMPLES
- COOL-CYCLE™ ACTIVE COOLING SYSTEM
- RESISTANT BATTERIES



PURCHASERS vs OWNER/OPERATORS

DISTINGUISHING BETWEEN PURCHASERS AND OWNER/OPERATORS

QUICK PERSPECTIVE:

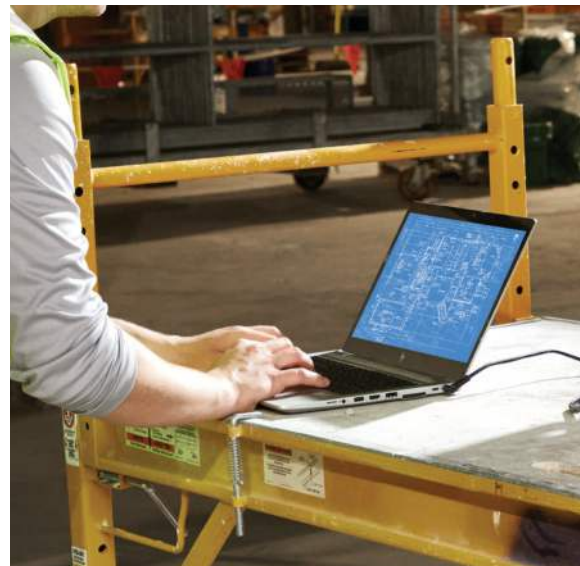
We all use work laptops every day. It is a vital tool to complete our jobs. Do you know what model it is or if there is a better model to improve performance?

Likely not, since the company provided it.

LEARNING LESSONS:

Similarly, most union tradesmen with company-provided tools are not fully informed on M18™/M12™ battery solutions, they just use the batteries and tools they are provided. We can help inform them of our offering to help make the right decision.

We need to show them.



OWNER AND/OR PURCHASER:

Buyer purchases tools for users.

Many centralized tool purchasers just replace batteries with what comes in kits, keeping their crews' productivity stagnant! Drive the advantages of premium batteries with tool purchasers, but also educate and seed premium packs/chargers with the users so that they can support your pitch by placing requests.



OWNER AND OPERATOR:

User purchases own tools.

Owners/operators or non-union tradesmen that purchase their own tools are

2x MORE LIKELY

to pick premium products like Super Chargers or REDLITHIUM™ FORGE™ batteries.

IF THEY KNOW ABOUT IT, THEY BUY IT!

WHAT ARE THE 3 KEY TRADEOFF DECISIONS FOR BATTERIES?

POWER

POWER = TOOL PERFORMANCE

The more power, the faster application speeds and ability to complete more demanding applications



EXAMPLES OF POWER HUNGRY TOOLS/APPLICATIONS



CIRCULAR SAW

- Full-depth rip cuts in triple-stacked OSB



CHAINSAW

- Multiple cuts in 18" hardwood



HIGH TORQUE IMPACT WRENCH

- Pipe flange installation/demo

REMOVAL SPEED



2976-20



PWR2



PWR4



15.1 Sec.



5.67 Sec.

RUN-TIME

RUN-TIME = WORK PER CHARGE

The more run-time, the more work you can complete per charge



EXAMPLES OF RUN-TIME DEMANDING TOOLS/APPLICATIONS



STATIONARY & BENCHTOP TOOLS

- Lighting
- Vacs
- Miter Saws
- Table Saws



WALK-BEHIND TOOLS

- Lawn Mower



TOOLS NEEDING CONTINUOUS RUN-TIME

- SDS Max Rotary Hammer
- Backpack Blower

WORK DONE ON A FULL CHARGE



3046-20

14" Cutting Swath (Mode 1)



XC8.0



HD12.0



25 Min.



40 Min.

SIZE/WEIGHT

Size/weight optimizes your tool experience for the best ergonomic solution within an application

BEST USE IN OVERHEAD WORK & TIGHT SPACES



MOST ERGONOMIC



Less weight and smaller size

BEST USE FOR IDEAL BALANCE OF SIZE, POWER & RUN-TIME



MID-LEVEL SIZE AND WEIGHT



More power and run-time, great performance for all demands

BEST USE FOR POWER & RUN-TIME DEMANDING TOOLS



INCREASED SIZE AND WEIGHT



Best performance for high-demand applications



**WHERE DO ALL M18™ BATTERIES
LIVE ON THEIR POWER SCALE?**

M18 POWER SCALE

TOOL PERFORMANCE

PWR5



**M18 REDLITHIUM
FORGE
HD12.0**

PWR4



**M18 REDLITHIUM
FORGE
XC8.0**



**M18 REDLITHIUM
FORGE
XC6.0**

PWR3



**M18 REDLITHIUM
HIGH OUTPUT
XC6.0**

PWR2



**M18 REDLITHIUM
HIGH OUTPUT
CP3.0**



**M18 REDLITHIUM
XC5.0**



**M18 REDLITHIUM
XC4.0**



**M18 REDLITHIUM
XC3.0**

PWR1



**M18 REDLITHIUM
CP2.0**



**M18 REDLITHIUM
CP1.5**

**MORE POWER for FASTER
APPLICATION SPEEDS and the ability
to do MORE DEMANDING WORK**



**WHERE DO ALL M12™ BATTERIES
LIVE ON THEIR POWER SCALE?**

M12 POWER SCALE

TOOL PERFORMANCE

PWR3



**M12 REDLITHIUM
HIGH OUTPUT
XC5,0**

PWR2



**M12 REDLITHIUM
XC6,0**



**M12 REDLITHIUM
XC4,0**



**M12 REDLITHIUM
XC3,0**



**M12 REDLITHIUM
HIGH OUTPUT
CP2,5**

PWR1



**M12 REDLITHIUM
CP3,0**



**M12 REDLITHIUM
CP2,0**



**M12 REDLITHIUM
CP1,5**

**MORE POWER for FASTER
APPLICATION SPEEDS and the ability
to do MORE DEMANDING WORK**

UNDERSTANDING THE DIFFERENCE BETWEEN RUN-TIME AND POWER



REDLITHIUM™ FORGE™ XC6.0



HIGH OUTPUT™ XC6.0

RUN-TIME

6.0Ah
SAME

POWER

PWR4
(MORE POWER)

DIFFERENT

PWR3
(LESS POWER)

TAKEAWAY:

Both batteries provide the same run-time, but the REDLITHIUM™ FORGE™ XC6.0 provides faster speeds and the power for more demanding applications. This is due to improved cell design for our REDLITHIUM™ FORGE™ XC6.0 battery which can achieve a higher power within the same run-time/size form factor.



REDLITHIUM™ FORGE™ XC8.0



HIGH OUTPUT™ HD12.0
This battery is discontinued but still proliferated in the market to compare to.

RUN-TIME

8.0Ah
(LESS RUN-TIME)

DIFFERENT

12.0Ah
(MORE RUN-TIME)

POWER

PWR4
SAME

TAKEAWAY:

The REDLITHIUM™ FORGE™ XC8.0 provides less run-time, but both batteries give faster speeds and the power for more demanding applications. This is due to improved cell design for our REDLITHIUM™ FORGE™ XC8.0 battery which can achieve higher power in a smaller size.



THE 3 KEY TRADEOFF DECISIONS: EXAMPLES

**THE RIGHT BATTERY DEPENDS ON THE JOB AT HAND.
BELOW ARE EXAMPLES COMPARING TRADEOFFS
TO CHOOSE THE BEST BATTERY FOR THE JOB.**



SDS PLUS

M18™ REDLITHIUM™ FORGE™ XC8.0

OR

M18™ REDLITHIUM™ FORGE™ HD12.0



POWER



RUN-TIME



SIZE/WEIGHT



**XC8.0
PWR4**



**BETTER ERGONOMIC
SOLUTION FOR
OVERHEAD WORK**

CON: LESS RUN-TIME



POWER



RUN-TIME



SIZE/WEIGHT



**HD12.0
PWR5**



**MORE RUN-TIME FOR
LONG DURATION
APPLICATIONS**

CON: LESS ERGONOMIC



IMPACT DRIVER

M18™ REDLITHIUM™ CP2.0

OR

M18™ REDLITHIUM™ XC5.0



POWER



RUN-TIME



SIZE/WEIGHT



**CP2.0
PWR1**



**BETTER ERGONOMIC
SOLUTION FOR
TIGHT SPACES**

CON: LESS POWER
& RUN-TIME



POWER



RUN-TIME



SIZE/WEIGHT



**XC5.0
PWR2**



**MORE RUN-TIME
& POWER**

CON: LESS ERGONOMIC



M18 COOL-CYCLE™ ACTIVE COOLING SYSTEM

WHAT IS COOL-CYCLE™ AND HOW DOES IT BENEFIT THE USER?



HIGH-SPEED COOLING
LESS DOWNTIME.



RECOMMENDED FOR:

- Users performing high-demand applications
- Users in hot environments

EXAMPLES OF HIGH-DEMAND APPLICATIONS:



Continuous grinding

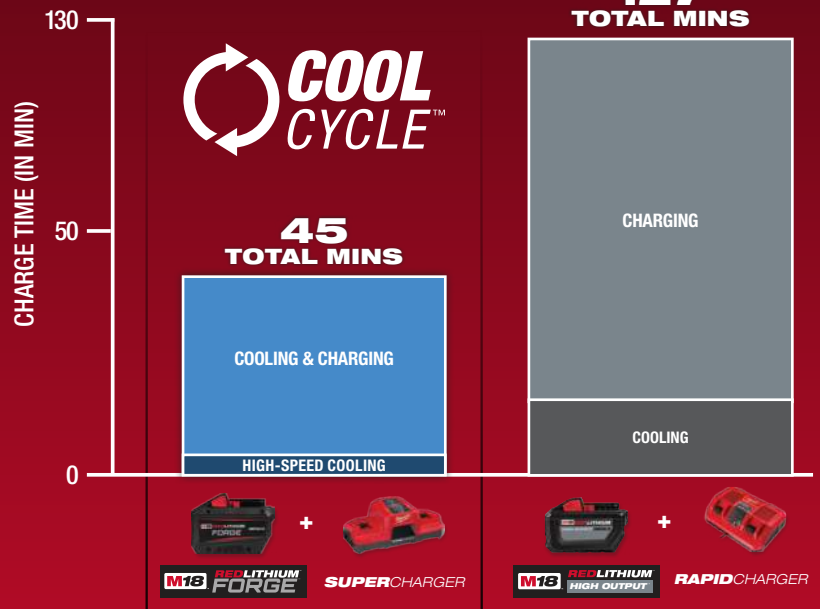


Multiple cuts in 18" hardwood



Drilling multiple back-to-back holes in concrete

CHARGE HOT BATTERIES FASTER TO 100%



BENEFITS:

- COOL-CYCLE™ charges hot batteries faster.
- Cooler batteries achieve more work per charge.
- Cooling batteries enhances the life of the battery.

HOW TO IDENTIFY COOL-CYCLE™ CAPABILITY:



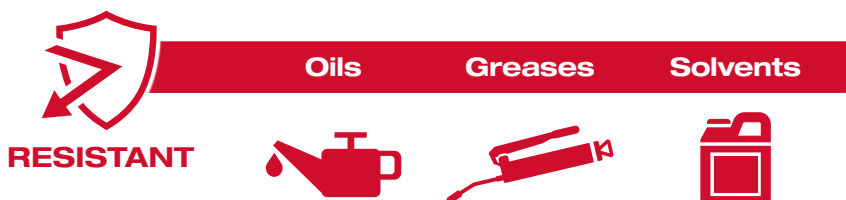
CLICK TO SEE HOW COOL-CYCLE™ WORKS



*45A CC DISCHARGE, REDLITHIUM™ FORGE™ HD12.0 18A CHARGE RATE, HIGH OUTPUT™ HD12.0 6A CHARGE RATE
*COOL-CYCLE™ COOLING PERIOD CAN INCREASE IF DISCHARGED AT HIGHER RATE
*ESTIMATED CHARGE DURATIONS BASED ON TESTING CONDUCTED BY MILWAUKEE TOOL AT ROOM TEMPERATURE
AND COMPARING VS HIGH OUTPUT™ BATTERY & RAPID CHARGER, ACTUAL RESULTS MAY VARY

**M18****M12****RESISTANT BATTERIES****HOW & WHEN ARE RESISTANT BATTERIES NEEDED?**

RESISTANT BATTERIES



RECOMMENDED FOR:

- Transportation maintenance & manufacturing trades



INCREASED PRODUCTIVITY:

- Reduce frequency of warranty usage, helps minimize downtime on the job

LOWER COST OF OWNERSHIP:

- Extend pack life in transportation maintenance & manufacturing environments

COMMON OILS, GREASES AND SOLVENTS:

- Brake cleaner
- Carb cleaner
- Rust penetrant
- Transmission fluid
- Antifreeze
- Degreasers

TYPES OF EXPOSURE:



- **Environmental:**
General exposure from workspace



- **Residual:**
Using cloth previously exposed to chemicals to clean tool & battery



- **Direct:**
Spraying product directly on tool & battery

RESISTANT BATTERY SKUs:



48-11-1813
M18™ REDLITHIUM™
FORGE™ HD12.0 Battery Pack



48-11-1881
M18™ REDLITHIUM™
FORGE™ XC8.0 Battery Pack



48-11-2450
M12™ REDLITHIUM™
HIGH OUTPUT™ XC5.0 Battery Pack



48-11-1861
M18™ REDLITHIUM™
FORGE™ XC6.0 Battery Pack



48-11-1850R
M18™ REDLITHIUM™
XC5.0 Resistant Battery Pack
48-11-1852R
2-Pack



48-11-2425
M12™ REDLITHIUM™
HIGH OUTPUT™ CP2.5 Battery Pack



NEW
M18
BATTERIES



M18 NEW BATTERIES: HD12.0 & XC8.0



NEW

M18 REDLITHIUM
FORGE
HD12.0



NEW

M18 REDLITHIUM
FORGE
XC8.0



**50% MORE
POWER**
VS HIGH OUTPUT™ 12.0



HIGH OUTPUT™ 12.0
POWER
SMALLER SIZE



20% SMALLER, 30% LIGHTER
vs M18™ REDLITHIUM™ HIGH OUTPUT™ HD12.0



M18 NEW BATTERIES: HD12.0 & XC8.0



NEW

M18 **REDLITHIUM**
FORGE
XC8.0 HD12.0



HIGH-SPEED COOLING

LESS DOWNTIME.

35 MIN

SUPERCHARGE
TO 80%



CAPABLE



SUPERCHARGER
FASTEST CHARGING

RAPIDCHARGER
FASTER CHARGING

STANDARD CHARGER

M18 REDLITHIUM FORGE		
		
FORGE HD12.0	FORGE XC8.0	
35 MIN	35 MIN	TO 80%
45 MIN	45 MIN	TO 100%
130 MIN	83 MIN	TO 100%
241 MIN	162 MIN	TO 100%

Estimated charge durations are based on testing conducted by Milwaukee Tool at room temperature. Up to 6X faster charging is dependent on battery model, charger model and battery state of charge. Actual results may vary. Visit milwaukeetool.com/charge for a comprehensive list of charge durations.



M18 NEW BATTERIES: HD12.0 & XC8.0



NEW

M18 **REDLITHIUM**
FORGE
XC8.0 HD12.0



LONGEST LIFE

UPGRADED PACK CONSTRUCTION



■ [Click here or see page 22 for details.](#)

PATENTED INGRESS COATING

PROTECTION FROM
DUST, DEBRIS & WATER



- Provides increased protection to maximize active cooling through an upgraded venting design.
- Protects the inside of the battery from exposure to dust, debris and water.

RESISTANT HOUSING



- Protects battery from oils, greases & solvents.
- [Click here or see page 17 for details.](#)

INCREASED CYCLE LIFE



- Cycle life is defined as the number of discharges over the life of the battery.
- REDLITHIUM™ FORGE™ delivers higher cycle life versus REDLITHIUM™ HIGH OUTPUT™ or REDLITHIUM™ batteries.

WHAT IS UPGRADED IN THE REDLITHIUM[™] FORGE[™] PACK CONSTRUCTION?

M18[™] REDLITHIUM[™] FORGE

9TH GENERATION M18[™] BATTERY

Improved Fuel Gauge

More durable &
easier to engage

Increased LED Brightness

Upgraded Electronics

Increased intelligence for managing
high-demand applications

Patented Ingress Coating

Weep Holes

For routing water
out of the pack

COOL-CYCLE[™] Capable Venting

Allows for COOL-CYCLE[™] capable
chargers to provide high-speed cooling

Horizontal Fasteners

For increased
durability

Advanced Power Routing

Improved terminals & laser
welding to handle high power
and high-vibration applications

Tabless Cell Technology

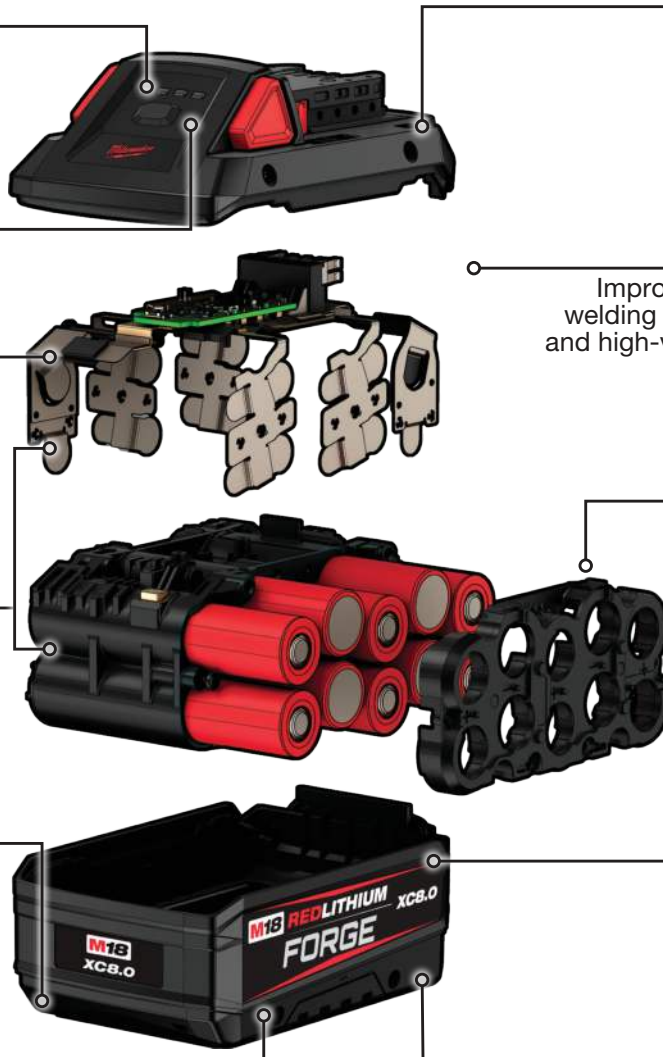
Increased power
delivery & thermal
performance

Resistant Housing

Resistant to oils,
greases, & solvents

Rubber Overmold

For additional protection





M18

M12

CHARGING

Our mission in MILWAUKEE® charging is to elevate the capability and performance of our battery systems.

Whether through increasing our users' productivity, protecting their battery pack investments, or solving numerous other frustrations, MILWAUKEE® delivers unique charging solutions to meet the needs of our core trades.





QUALIFY USER NEEDS

UNCOVER USER NEEDS AND EXPECTATIONS WHEN POSITIONING THE BEST CHARGING SOLUTION(S).

There are many factors users can consider when determining the right charging solution(s) for their throughput needs, and although extremely important, it doesn't always come down to just charge speed.



SUPERCHARGER
FASTEST CHARGING

RAPIDCHARGER
FASTER CHARGING

STANDARD CHARGER

CHARGE SPEED

MILWAUKEE® has three tiers for charging speed:

- Super Charger is the fastest charging experience for M18™.
- Rapid Charger is the fastest M12™ charging experience and the mid-level speed for M18™.

NUMBER OF BAYS

A higher number of bays, or ports, is important in three main scenarios:

- The need to charge multiple battery packs when there isn't the ability to swap packs.
- Multiple crew members utilizing the same charger.
- Using the charger to transport batteries to and from the job.

CHARGE TYPE

Sequential:

Charges one battery at a time, typically first in, first charge.

Simultaneous:

Charges multiple batteries at a time. The number of batteries charging at once varies from charger-to-charger.

[Click for more information about CHARGE ADAPT™](#)

MULTI-SYSTEM

Many users leverage a mix of M12™ and M18™ tools and may prefer a charging solution that can maintain both systems.

BATTERY COOLING

Users performing high-demand applications or in hot environments will find value in charging their hot packs faster.

ELECTRICAL INFRASTRUCTURE LIMITATIONS

Large companies with multiple crews charging in a shared location historically needed to incur costly electrical infrastructure updates to support battery charging.

MOBILITY & MOUNTING

Users may transport their chargers to and from sites or have a stationary charging location and want a charger to support their specific use case.

Users may desire the versatility of PACKOUT™ compatibility or other mounting functions.





QUALIFY USER NEEDS: BEST FOR...

MULTI-PURPOSE CHARGERS

- Designed to solve multiple user pain points
- Can meet a wide variety of users' needs

M18™ DUAL BAY SIMULTANEOUS SUPER CHARGER

Individuals or crews where charge speed is most important, often using high-demand tools or working in hot environments, investing in M18™ REDLITHIUM™ FORGE™ batteries.



48-59-1815

M18™ PACKOUT™ SIX BAY RAPID CHARGER

Individuals or crews that value the transport and storage of M18™ batteries. Charge speed is important and desired ability to charge personal lighting and devices.



48-59-1809

M18™ AND M12™ RAPID CHARGE STATION

Crews who operate a balanced mix of M18™ and M12™, have outlet constraints, and want to charge the most packs simultaneously and quickly.



48-59-1807

M18™ DUAL BAY SIMULTANEOUS RAPID CHARGER

Individuals who operate multiple M18™ tools/batteries. Charge speed is important but price is a constraint. Kitted with M18™ dual battery solutions.



48-59-1802

M18™ SIX BAY STANDARD CHARGER

Individuals or small crews who operate multiple M18™ tools/batteries, have space or outlet constraints and charge in a shop or tool crib setting. Does not prioritize charge speed.



48-59-1806

M12™ FOUR BAY SEQUENTIAL CHARGER

Individual or small crew who operate multiple M12™ tools/batteries, have space or outlet constraints, and charge in a shop or tool crib setting. Does not prioritize charge speed.



48-59-1204

SPECIALIZED CHARGERS

- Designed to solve specific user pain points
- Very targeted audience

M18™ SIX BAY DAISY CHAIN RAPID CHARGER w/ PACKOUT™

Crews using a high number of M18™ batteries, who desire a centralized charging destination for multiple chargers on a single circuit, and don't want to or can't afford electrical infrastructure updates. They want the ability to charge at a fast rate while mobile, and the ability to scale and grow over time.



48-59-1817

M18™ DUAL BAY SIMULTANEOUS SUPER CHARGER w/ 4-POINT MOUNTING

Individuals or crews often using high-demand tools or working in hot environments. Charge speed is most important, needing the ability to charge while mobile, and are investing in REDLITHIUM™ FORGE™ batteries.



48-59-1816

M18™ AND M12™ VEHICLE CHARGER

Individuals who need to charge in a mobile setting with access only to a vehicle DC outlet. Charge speed and charging high number of batteries is not critical.



48-59-1810

M18™ TOP-OFF™ CHARGER & POWER SUPPLY

Individuals who need to charge M18™ batteries on the go and require a smaller, more portable solution. Does not prioritize charge speed or multiple bays.



2847-20

KITTED CHARGERS

M18™ AND M12™ RAPID CHARGER

Individuals operating a limited number of M18™ or M12™ tools, but charge speed is important.



48-59-1808

M12™ STANDARD CHARGER & M18™ AND M12™ STANDARD CHARGER

Replacement only, do not recommend.



48-59-2401

48-59-1812



SUPERCHARGER
FASTEST CHARGING

RAPIDCHARGER
FASTER CHARGING

STANDARD CHARGER

M18

Dual Bay Simultaneous **SUPERCHARGER**



UP TO
6X FASTER
CHARGING TO 80%

**HIGH-SPEED
COOLING**
LESS DOWNTIME.

WILL ALL M18™ BATTERIES CHARGE FASTER ON THE SUPER CHARGER?

All M18™ batteries will see a charge speed benefit from stepping up to the M18™ Dual Bay Simultaneous Super Charger.

The greatest charge speed benefit is when the Super Charger is paired with M18™ REDLITHIUM™ FORGE™ batteries.



UP TO **6X
FASTER**

M18

**REDLITHIUM
FORGE**



**FORGE
HD12.0**



**FORGE
XC8.0**



**FORGE
XC6.0**

UP TO **4X
FASTER**

M18

**REDLITHIUM
HIGH OUTPUT**



**HIGH OUTPUT™
XC6.0**

UP TO **2X
FASTER**

M18

REDLITHIUM



XC5.0

SUPERCHARGER
FASTEST CHARGING

RAPIDCHARGER
FASTER CHARGING

STANDARD CHARGER

	TO 80%	TO 100%	TO 100%	TO 100%	TO 100%
35 MIN	35 MIN	15 MIN	25 MIN	42 MIN	
45 MIN	45 MIN	25 MIN	35 MIN	60 MIN	
130 MIN	83 MIN	62 MIN	65 MIN	60 MIN	
241 MIN	162 MIN	115 MIN	123 MIN	105 MIN	

Estimated charge durations are based on testing conducted by Milwaukee Tool at room temperature. Up to 6X faster charging is dependent on battery model, charger model and battery state of charge. Actual results may vary. Visit milwaukeetool.com/charge for a comprehensive list of charge durations.



SUPERCHARGER
FASTEST CHARGING

RAPIDCHARGER
FASTER CHARGING

STANDARD CHARGER

WHAT IS COOL-CYCLE™ AND HOW DOES IT BENEFIT THE USER?

BENEFIT

Overall charge time decreases for hot batteries
→ **less downtime.**

Batteries come off the charger cooler → **increased performance** when doing back-to-back work and **increased battery life.**

WHEN IT'S IMPORTANT

Users performing high-demand applications and/or working in hot climates can be prone to over-tempering their batteries. In order to charge a hot battery, it first needs to be cooled.

HOW IT WORKS

- COOL-CYCLE™ capable batteries and charger are paired.
- Immediately starts cooling.
- Charging starts immediately or at most 90 seconds.
- Continues to cool batteries as it charges.



HIGH-SPEED COOLING
LESS DOWNTIME.



CHARGE HOT BATTERIES FASTER TO 100%

CHARGE TIME (IN MIN)

130
50
0



45
TOTAL MINS

CHARGING & COOLING

HIGH-SPEED COOLING



127
TOTAL MINS

CHARGING

COOLING



FEATURE WORKS
WITH COOL-CYCLE™
CAPABLE BATTERIES
& CHARGERS



**CLICK TO
SEE HOW
COOL-CYCLE™
WORKS**



CHARGE ADAPT™
ADAPTIVE CHARGE DISTRIBUTION



HOW IT WORKS

STEP 1

Charger detects the state of charge of each battery and the max charge rate they can accept.

STEP 2

Charger splits and prioritizes its energy to the battery that was attached first and will max out its charge rate. The remaining energy is delivered to the other battery to begin its charge.

STEP 3

When the prioritized battery gets to 80% charged it goes into taper mode (happens on all chargers). At this point, the charger reduces the energy it's sending to the prioritized battery and redirects to the secondary battery.

BENEFIT FOR THE USER:

Both batteries come off the charger faster than if energy was split equally and with CHARGE ADAPT™ you can get one battery back even faster.

*45A CC Discharge, FORGE™ HD12.0 18A Charge Rate, HIGH OUTPUT™ HD12.0 6A Charge Rate
*COOL-CYCLE™ Cooling period can increase if discharged at a higher rate
*Estimated charge durations based on testing conducted by Milwaukee Tool at room temperature and comparing vs HIGH OUTPUT™ HD12.0 Battery and Rapid Charger, actual results may vary



SUPERCHARGER
FASTEST CHARGING

RAPIDCHARGER
FASTER CHARGING

STANDARD CHARGER

M18

Dual Bay Simultaneous **SUPERCHARGER**



CHARGER-ONLY

48-59-1815
M18™ Dual Bay Simultaneous Super Charger



OPTIMIZED FOR:

- Users who highly value charge speed.
- Users buying REDLITHIUM™ FORGE™ batteries.
- Users who do NOT charge in a moving vehicle.

CHARGER SPECIFICATIONS (UNDER MAX OUTPUT)

Charge Rate	Super, 19 Amp
Charge Type	Simultaneous, CHARGE ADAPT™
Number of Bays	2
Special Features	COOL-CYCLE™
Power Source	AC
Mounting Style	Key-Hole

w/ 4-POINT MOUNTING



**COMING
Q1 2025**

CHARGER-ONLY

48-59-1816
M18™ Dual Bay Simultaneous Super Charger
w/ 4-Point Mounting



OPTIMIZED FOR:

- Users charging in mobile environment, commonly OPE or MEP users charging **while moving** from job to job.
 - Increased battery latch capability can withstand higher vibrations during transit.
- Users who highly value charge speed.
- Users buying REDLITHIUM™ FORGE™ batteries.

CHARGER SPECIFICATIONS (UNDER MAX OUTPUT)

Charge Rate	Super, 19 Amp
Charge Type	Simultaneous, CHARGE ADAPT™
Number of Bays	2
Special Features	COOL-CYCLE™
Power Source	AC
Mounting Style	4-Point



SUPERCARGER
FASTEST CHARGING

RAPIDCHARGER
FASTER CHARGING

STANDARD CHARGER

M18™

Six Bay Daisy Chain **RAPIDCHARGER**

COMING
Q1 2025

**DAISY CHAIN 10. CHARGE 60 OVERNIGHT.
RAPID DAYTIME CHARGING. REDUCED DOWNTIME.**

WHAT IS THE BENEFIT OF DAISY CHAINING THE CHARGER?

Users can charge up to 60 M18™ batteries on a single 15A circuit without tripping breakers.

Users no longer need to swap batteries or manage limited outlet availability to charge all their M18™ packs overnight.

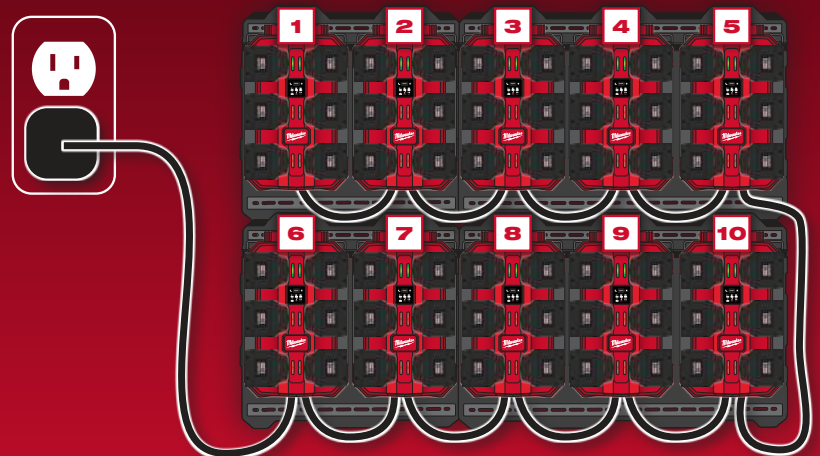
HOW IT WORKS

- Connect up to 10 chargers using daisy chain cord (included).
- Ensure charger is in Overnight Mode if connecting 5 - 10 chargers.
- Plug final charger in the chain into single 15A outlet.



DAISY CHAIN 10. CHARGE 60 OVERNIGHT.

60 BATTERIES ON A SINGLE 15A CIRCUIT



Charge 60 M18™ REDLITHIUM™ FORGE™ HD12.0 batteries in 14.8 hours



OVERNIGHT MODE



SUPERCARGER
FASTEST CHARGING

RAPIDCHARGER
FASTER CHARGING

STANDARD CHARGER

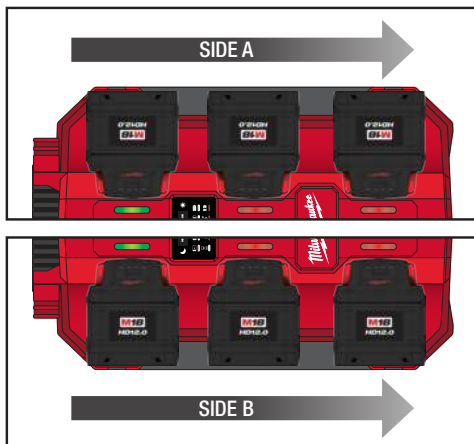
WHEN SHOULD USERS SWITCH TO DAYTIME MODE?

When requiring a faster charge speed, switching from Overnight mode to Daytime mode allows users to charge at a Rapid Charge rate.

User who daisy chain four or fewer chargers on a 15A circuit can operate in Daytime (Rapid) Mode.

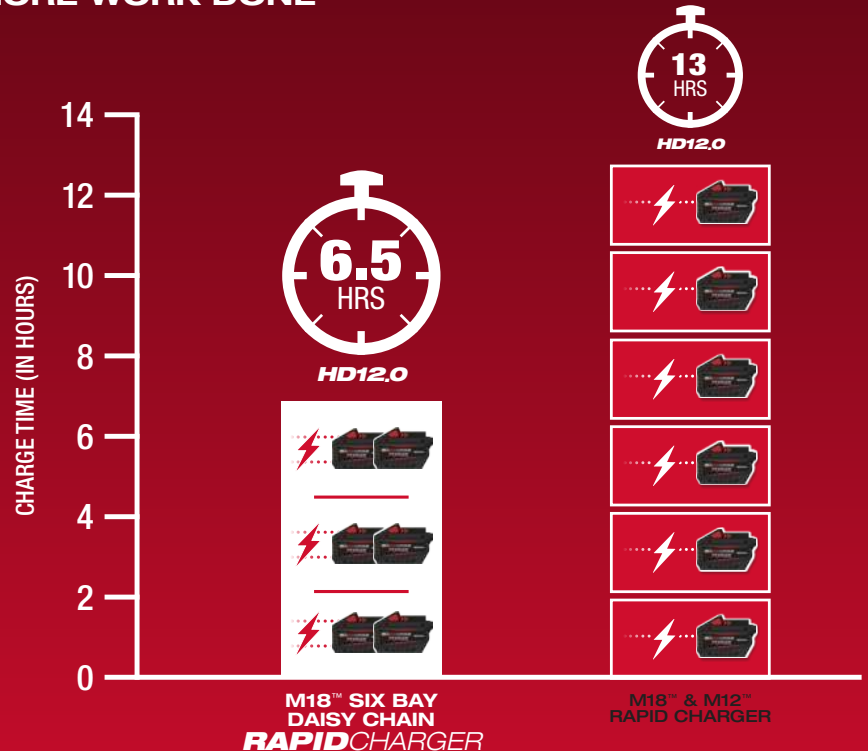
CHARGE TWO BATTERIES SIMULTANEOUSLY AT A RAPID CHARGE RATE

ONE BATTERY CHARGES AT A TIME ON EACH SIDE OF CHARGER (SIDE A / SIDE B)



RAPID DAYTIME CHARGING. REDUCED DOWNTIME.

LESS SWAPPING BATTERIES,
MORE WORK DONE

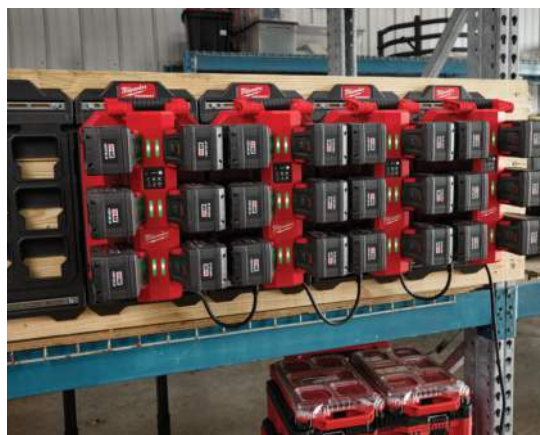


DAYTIME MODE



MOST VERSATILE SHOP-TO-MOBILE CHARGER

- PACKOUT™ compatible.
- Integrated carry handle.
- Cord management and removable cord.





SUPERCHARGER
FASTEST CHARGING

RAPIDCHARGER
FASTER CHARGING

STANDARD CHARGER

M18™

Six Bay Daisy Chain **RAPIDCHARGER**



CHARGER-ONLY

48-59-1817

M18™ Six Bay Daisy Chain Rapid Charger w/ PACKOUT™



OPTIMIZED FOR:

- Companies operating multiple crews with a central charging hub for M18™ batteries.
- Users charging in mobile environment, commonly OPE or MEP users charging while moving from job-to-job.
- Users who don't want to or can't afford electrical infrastructure updates.

CHARGER SPECIFICATIONS (UNDER MAX OUTPUT)

Charge Rate	Rapid, 6 Amp Standard, 2.5 Amp
Charge Type	2 Battery Simultaneous
Number of Bays	6
Special Features	Daisy Chain up to 10 Chargers
Power Source	AC
Mounting Style	PACKOUT™ Compatible

M18™

PACKOUT™ Six Bay **RAPIDCHARGER**



CHARGER-ONLY

48-59-1809

M18™ PACKOUT™ Six Bay Rapid Charger



OPTIMIZED FOR:

- Users charging multiple M18™ batteries.
- Users who invested in the PACKOUT™ system.
- Users who desire ability to charge personal lighting and devices.

CHARGER SPECIFICATIONS (UNDER MAX OUTPUT)

Charge Rate	Rapid, 6 Amp
Charge Type	2 Battery Simultaneous
Number of Bays	6
Special Features	Caddies for personal device storage DC Output (1) USB-C Port: 5W2.1A (10W)
Power Source	AC
Mounting Style	PACKOUT™ Compatible



SUPERCHARGER
FASTEST CHARGING

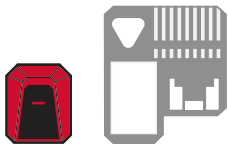
RAPIDCHARGER
FASTER CHARGING

STANDARD CHARGER

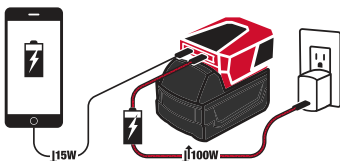
M18™ TOP-OFF™ CHARGER & POWER SUPPLY

MOST COMPACT
M18™ CHARGER,
FASTER DEVICE
CHARGING

UP TO
65% SMALLER
VS KITTED CHARGERS



SIMULTANEOUS
M18™ BATTERY &
DEVICE CHARGING



OPTIMIZED FOR:

- Service, Mobile, or Residential users charging on the go.
- Superintendents and Site Foremen who require power to access blueprints and set up remote offices.

CHARGER SPECIFICATIONS (UNDER MAX OUTPUT)

Charge Rate	Standard, 3 Amp
Charge Type	Single Battery
Number of Bays	1
Special Features	DC Output (1) 100W USB-C Port (1) 15W USB-C Port
Power Source	Bi-Directional 100W USB-C Port via Included 65W USB-C Wall Adapter

CHARGES ALL M18™ BATTERIES

		TIME TO CHARGE (MINS)
	HD12.0	230
	XC5.0	105
	CP2.0	42

Estimated M18™ battery charge durations and device charges based on testing conducted by Milwaukee Tool at room temperature. Full device charges based on powering one device at a time. Actual results may vary.* vs. 48-59-1812 M18™ & M12™ Multi-Voltage Charger when compared in cubic inches.



TOOL-ONLY

2847-20 Contains:

M18™ TOP-OFF™ Charger & Power Supply,
65W USB-C Wall Adapter,
100W USB-C PD Cable

Battery Not Included.



COMING Q4 2025 -
**FOR UP TO 30%
FASTER M18™ BATTERY
CHARGING**



48-59-2847
120W USB-C
Wall Adapter



POWER MANAGER

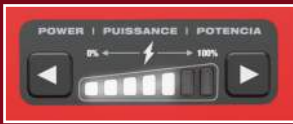
CHARGE MORE BATTERIES. PREVENT TRIPPED BREAKERS.

COMING
Q1 2025

HOW IT WORKS

POWER THROTTLE AND POWER LEVEL GAUGE

1. Use the power throttle to set max power the device will pull indicated by white lights.



SEQUENTIAL OUTLET POWERING

2. Plug in up to (12) Chargers
Power Manager prioritizes top down.

To maximize productivity it's recommended to start with fastest chargers at the top.

3. Operation:

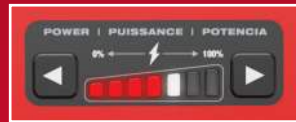
Power manager energizes max number of outlets possible, without overloading the circuit.

Solid Light = Energized Outlet



Blinking Light = Waiting Outlet

Will automatically energize outlet when power becomes available



Red bars indicate how much power is flowing through the device



WORKS WITH ALL CHARGERS

M12 **M18** **MX FUEL**

OPTIMIZED FOR:

- Users who own multiple battery systems and have numerous legacy chargers.
- Users with limited electrical infrastructure where they charge batteries and want to charge on a single circuit without tripping breakers.
- Users who need to manage and prioritize multiple charging speeds during daytime charging and bulk overnight charging.

CHARGER SPECIFICATIONS (UNDER MAX OUTPUT)

Model #	3333-15A	3333-20A
Circuit Type	15A/120V	20A/120V
Number of Outlets	12	
NEMA Receptacle Configuration	5-15	
Resettable Circuit Breaker	Yes	
Power Throttle	Yes	
Mounting Style	PACKOUT™ Compatible & Key-Hole	



3333-15A
Power Manager -
15 Amp Circuit



3333-20A
Power Manager -
20 Amp Circuit





BATTERY & CHARGER SPEC SHEETS

		SPECIFICATIONS				
Model #	Name	Bays	Charge Speed	Charge Type	Special Feature	Mounting
48-59-1816	 M18™ Dual Bay Simultaneous Super Charger w/ 4-Point Mounting	(2) M18™	Super	Simultaneous, CHARGE ADAPT™	COOL-CYCLE™ Capable	4-Point Mounting
48-59-1815	 M18™ Dual Bay Simultaneous Super Charger	(2) M18™	Super	Simultaneous, CHARGE ADAPT™	COOL-CYCLE™ Capable	Key-Hole
48-59-1817	 M18™ Six Bay Daisy Chain Rapid Charger w/ PACKOUT™	(6) M18™	Dual Speed	Simultaneous, 2 Battery	Daisy Chainable	PACKOUT™
48-59-1809	 M18™ PACKOUT™ Six Bay Rapid Charger	(6) M18™	Rapid	Simultaneous, 2 Battery		PACKOUT™
48-59-1807	 M18™ and M12™ Rapid Charge Station	(3) M18™ (3) M12™	Rapid	Simultaneous, 3 Battery		Key-Hole
48-59-1802	 M18™ Dual Bay Simultaneous Rapid Charger	(2) M18™	Rapid	Simultaneous		Key-Hole
48-59-1808	 M18™ and M12™ Rapid Charger	(1) M12™ (1) M18™	Rapid	Sequential		Key-Hole
48-59-1806	 M18™ Six Bay Standard Charger	(6) M18™	Standard	Sequential		Key-Hole
48-59-1204	 M12™ Four Bay Sequential Charger	(4) M12™	Standard	Sequential		Key-Hole
48-59-1810	 M18™ and M12™ Vehicle Charger	(1) M12™ (1) M18™	Standard	Sequential		Key-Hole
48-59-1812	 M18™ and M12™ Standard Charger	(1) M12™ (1) M18™	Standard	Sequential		Key-Hole
48-59-2401	 M12™ Standard Charger	(1) M12™	Standard	Single Battery		Key-Hole
2847-20	 M18™ TOP-OFF™ Charger & Power Supply	(1) M18™	Standard	Single Battery		

		SPECIFICATIONS									
Model #	Name	Run-Time	Power Level	Charge Time to 100%			COOL-CYCLE™ Capable	Resistant Housing	Size	Weight	Warranty
				Super Charger	Rapid Charger	Standard Charger					
48-11-1813	 M18™ REDLITHIUM™ FORGE™ HD12.0 Battery	12.0 Ah	PWR5	45 mins	130 mins	241 mins	Yes	Yes	H 4.1" L 5.8" W 3.4"	3.3 lbs	3 Year
48-11-1881	 M18™ REDLITHIUM™ FORGE™ XC8.0 Battery	8.0 Ah	PWR4	45 mins	83 mins	162 mins	Yes	Yes	H 3.5" L 5.3" W 3.4"	2.4 lbs	3 Year
48-11-1861	 M18™ REDLITHIUM™ FORGE™ XC6.0 Battery	6.0 Ah	PWR4	25 mins	62 mins	115 mins	No	Yes	H 3.1" L 5.1" W 3.3"	2.1 lbs	3 Year
48-11-1865	 M18™ REDLITHIUM™ HIGH OUTPUT™ XC6.0 Battery	6.0 Ah	PWR3	35 mins	65 mins	123 mins	No	No	H 3.3" L 5.5" W 3.3"	2.4 lbs	3 Year
48-11-1835	 M18™ REDLITHIUM™ HIGH OUTPUT™ CP3.0 Battery	3.0 Ah	PWR2	35 mins	35 mins	65 mins	No	No	H 2.3" L 5.3" W 3.3"	1.3 lbs	2 Year
48-11-1850	 M18™ REDLITHIUM™ XC5.0 Battery	5.0 Ah	PWR2	60 mins	60 mins	105 mins	No	No	H 2.8" L 4.5" 3.1"	1.5 lbs	3 Year
48-11-1850R	 M18™ REDLITHIUM™ XC5.0 Resistant Battery	5.0 Ah	PWR2	60 mins	60 mins	105 mins	No	Yes	H 3" L 4.6" W 3.1"	1.6 lbs	3 Year
48-11-1840	 M18™ REDLITHIUM™ XC4.0 Battery	4.0 Ah	PWR2	48 mins	48 mins	76 mins	No	No	H 2.8" L 4.5" W 3.1"	1.5 lbs	3 Year
48-11-1828	 M18™ REDLITHIUM™ XC3.0 Battery	3.0 Ah	PWR2	34 mins	34 mins	57 mins	No	No	H 2.8" L 4.5" 3.1"	1.5 lbs	3 Year
48-11-1820	 M18™ REDLITHIUM™ CP2.0 Battery	2.0 Ah	PWR1	27 mins	27 mins	42 mins	No	No	H 2.1" L 4.5" W 3.1"	1.0 lbs	2 Year
48-11-1815	 M18™ REDLITHIUM™ CP1.5 Battery Pack	1.5 Ah	PWR1	21 mins	21 mins	31 mins	No	No	H 2.1" L 4.5" W 3.1"	1.0 lbs	2 Year

		SPECIFICATIONS							
Model #	Name	Run-Time	Power Level	Charge Time to 100%		Resistant Housing	Size	Weight	Warranty
				Rapid Charger	Standard Charger				
48-11-2450	 M12™ REDLITHIUM™ HIGH OUTPUT™ XC5.0 Battery Pack	5.0 Ah	PWR3	75 mins	105 mins	Yes	H 4.35" L 3.47" W 2.62"	0.95 lbs	3 Year
48-11-2425	 M12™ REDLITHIUM™ HIGH OUTPUT™ CP2.5 Battery Pack	2.5 Ah	PWR2	39 mins	54 mins	Yes	H 4.35" L 2.02" W 1.83"	0.45 lbs	2 Year
48-11-2460	 M12™ REDLITHIUM™ XC6.0 Battery Pack	6.0 Ah	PWR2	103 mins	134 mins	No	H 4.35" L 3.47" W 2.62"	0.88 lbs	3 Year
48-11-2440	 M12™ REDLITHIUM™ XC4.0 Battery Pack	4.0 Ah	PWR2	60 mins	77 mins	No	H 4.35" L 3.47" W 2.62"	0.88 lbs	3 Year
48-11-2402	 M12™ REDLITHIUM™ XC3.0 Battery Pack	3.0 Ah	PWR2	46 mins	63 mins	No	H 4.35" L 3.47" W 2.62"	0.88 lbs	3 Year
48-11-2430	 M12™ REDLITHIUM™ CP3.0 Battery Pack	3.0 Ah	PWR1	67 mins	67 mins	No	H 3.35" L 2.02" W 1.83"	0.45 lbs	2 Year
48-11-2420	 M12™ REDLITHIUM™ CP2.0 Battery Pack	2.0 Ah	PWR1	30 mins	43 mins	No	H 3.35" L 2.02" W 1.83"	0.45 lbs	2 Year
48-11-2401	 M12™ REDLITHIUM™ CP1.5 Battery Pack	1.5 Ah	PWR1	22 mins	29 mins	No	H 3.35" L 2.02" W 1.83"	0.45 lbs	2 Year



BATTERY & TOOL RECOMMENDATIONS



BATTERY & TOOL RECOMMENDATIONS

OUTDOOR POWER EQUIPMENT

FOR INTERNAL USE ONLY

 **MILWAUKEE's Recommended Battery**

TRADEOFFS

RUN-TIME

Compatible, not optimal run-time for tool experience

POWER

Compatible, not optimal power output for tool experiences

SIZE / WEIGHT

Compatible, not optimal size & weight for tool experience



	M18™ REDLITHIUM™ FORGE™ HD12.0	M18™ REDLITHIUM™ FORGE™ XC8.0	M18™ REDLITHIUM™ HIGH OUTPUT™ XC6.0	M18™ REDLITHIUM™ HIGH OUTPUT™ CP3.0	M18™ REDLITHIUM™ CP2.0
 21" Self-Propelled Dual Battery Mower	✓	✓	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
 17" Dual Battery String Trimmer	SIZE / WEIGHT	✓	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
 String Trimmer w/ QUIK-LOK™	✓	✓	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
 Hedge Trimmer	✓	✓	✓	RUN-TIME / POWER	RUN-TIME / POWER
 20" Dual Battery Chainsaw Kit	SIZE / WEIGHT	✓	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
 14" Top Handle Chainsaw	✓	✓	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
 HATCHET™ 8" Pruning Saw	SIZE / WEIGHT	✓	✓	RUN-TIME / POWER	RUN-TIME / POWER
 Dual Battery Backpack Blower	✓	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
 Blower	✓	✓	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
 4-Gallon Backpack Sprayer w/ SWITCH TANK™	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	✓	✓





BATTERY & TOOL RECOMMENDATIONS

AUTOMOTIVE

FOR INTERNAL USE ONLY

 **MILWAUKEE's Recommended Battery**

TRADEOFFS

RUN-TIME

Compatible, not optimal run-time for tool experience

POWER

Compatible, not optimal power output for tool experiences

SIZE / WEIGHT

Compatible, not optimal size & weight for tool experience



	M18™ REDLITHIUM™ FORGE™ HD12.0	M18™ REDLITHIUM™ FORGE™ XC8.0	M18™ REDLITHIUM™ XC5.0 RESISTANT BATTERY PACK	M18™ REDLITHIUM™ HIGH OUTPUT™ CP3.0	M18™ REDLITHIUM™ CP2.0
 1" D-Handle Ext. Anvil High Torque Impact Wrench	✓	✓	POWER	POWER	POWER
 3/4" High Torque Impact Wrench	SIZE / WEIGHT	✓	✓	POWER	POWER
 1/2" High Torque Impact Wrench	SIZE / WEIGHT	✓	✓	POWER	POWER
 3/8" Compact Impact Wrench	SIZE / WEIGHT	SIZE / WEIGHT	✓	RUN-TIME	RUN-TIME
 3/8" Mid-Torque Impact Wrench	SIZE / WEIGHT	SIZE / WEIGHT	✓	RUN-TIME	RUN-TIME
 Deep Cut Band Saw	SIZE / WEIGHT	✓	✓	RUN-TIME	RUN-TIME
 4-1/2" – 6" Braking Grinder	SIZE / WEIGHT	✓	RUN-TIME	RUN-TIME	RUN-TIME
 1/4" Blind Rivet Tool	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	✓	✓
 2-Speed Grease Gun	SIZE / WEIGHT	SIZE / WEIGHT	✓	✓	✓
 Magnetic Extendable Boom Light	✓	✓	✓	RUN-TIME	RUN-TIME





BATTERY & TOOL RECOMMENDATIONS

POWER UTILITY

FOR INTERNAL USE ONLY

 **MILWAUKEE's Recommended Battery**

TRADEOFFS

RUN-TIME

Compatible, not optimal run-time for tool experience

POWER

Compatible, not optimal power output for tool experiences

SIZE / WEIGHT

Compatible, not optimal size & weight for tool experience



	M18™ REDLITHIUM™ FORCE™ HD12.0	M18™ REDLITHIUM™ FORCE™ XC8.0	M18™ REDLITHIUM™ HIGH OUTPUT™ XC6.0	M18™ REDLITHIUM™ XC5.0	M18™ REDLITHIUM™ HIGH OUTPUT™ CP3.0	M18™ REDLITHIUM™ CP2.0
 7/16" Hex Utility High Torque Impact Wrench	SIZE / WEIGHT	✓	✓	✓	RUN-TIME	RUN-TIME
 1-1/2" Lineman Magnetic Drill	✓	✓	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
 14" Top Handle Chainsaw	✓	✓	RUN-TIME	RUN-TIME	RUN-TIME	RUN-TIME
	SIZE / WEIGHT	✓	✓	✓	RUN-TIME / POWER	RUN-TIME / POWER
	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	✓	✓
 5" Underground Cable Cutter w/ Wireless Remote	✓	✓	POWER	POWER	POWER	POWER
 3" Underground Cable Cutter Kit	SIZE / WEIGHT	SIZE / WEIGHT	✓	✓	POWER	POWER
	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	✓	✓
	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	✓	✓
	✓	✓	RUN-TIME	RUN-TIME	RUN-TIME	RUN-TIME





BATTERY & TOOL RECOMMENDATIONS

CARPENTRY / REMODELING

FOR INTERNAL USE ONLY

MILWAUKEE's Recommended Battery

TRADEOFFS

RUN-TIME

Compatible, not optimal run-time for tool experience

POWER

Compatible, not optimal power output for tool experiences

SIZE / WEIGHT

Compatible, not optimal size & weight for tool experience



	M18™ REDLITHIUM™ FORGE™ HD12.0	M18™ REDLITHIUM™ FORGE™ XC8.0	M18™ REDLITHIUM™ HIGH OUTPUT™ XC6.0	M18™ REDLITHIUM™ XC5.0	M18™ REDLITHIUM™ HIGH OUTPUT™ CP3.0	M18™ REDLITHIUM™ CP2.0
18 Gauge Brad Nailer	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	✓	✓
7-1/4" Circular Saw	✓	✓	✓	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
1/2" Router	SIZE / WEIGHT	✓	✓	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
30° Framing Nailer	SIZE / WEIGHT	SIZE / WEIGHT	✓	✓	✓	RUN-TIME
Jigsaw, D-Handle	SIZE / WEIGHT	✓	✓	✓	RUN-TIME	RUN-TIME
Oscillating Multi-Tool	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	✓	✓	RUN-TIME / POWER
1/4" Hex Impact Driver	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	✓	✓	RUN-TIME / POWER
12" Dual Bevel Sliding Compound Miter Saw w/ ONE KEY™	✓	✓	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
5" Random Orbital Sander	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	✓	✓	RUN-TIME / POWER
SAWZALL® Recip Saw w/ ONE-KEY™	SIZE / WEIGHT	✓	✓	✓	RUN-TIME / POWER	RUN-TIME / POWER





BATTERY & TOOL RECOMMENDATIONS

GENERAL CONTRACTOR

FOR INTERNAL USE ONLY

MILWAUKEE's Recommended Battery

TRADEOFFS

RUN-TIME

Compatible, not optimal run-time for tool experience

POWER

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SIZE / WEIGHT

Compatible, not optimal size & weight for tool experience



	M18™ REDLITHIUM™ FORGE™ HD12.0	M18™ REDLITHIUM™ FORGE™ XC8.0	M18™ REDLITHIUM™ HIGH OUTPUT™ XC6.0	M18™ REDLITHIUM™ XC5.0	M18™ REDLITHIUM™ HIGH OUTPUT™ CP3.0	M18™ REDLITHIUM™ CP2.0
1-1/4" SDS Plus D-Handle Rotary Hammer w/ ONE-KEY™	SIZE / WEIGHT	✓	✓	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
1-3/4" SDS MAX Rotary Hammer w/ ONE KEY™	✓	✓	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
1" SDS Plus Rotary Hammer	SIZE / WEIGHT	✓	✓	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
ROVER™ Dual Power Triple-Panel Flood & Area Light	✓	✓	✓	✓	RUN-TIME	RUN-TIME
Deep Cut Band Saw	SIZE / WEIGHT	✓	✓	✓	RUN-TIME	RUN-TIME
9" Cut Off Saw w/ ONE-KEY™	✓	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
7-1/4" Rear Handle Circular Saw	✓	✓	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
SUPER SAWZALL® Recip Saw	✓	✓	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
Duplex Nailer	SIZE / WEIGHT	✓	✓	✓	✓	RUN-TIME / POWER
4-1/2" – 6" Braking Grinder	SIZE / WEIGHT	✓	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
6 Gallon Wet/Dry Vacuum	✓	RUN-TIME	RUN-TIME	RUN-TIME	RUN-TIME	RUN-TIME





BATTERY & TOOL RECOMMENDATIONS

MECHANICAL & PLUMBING

FOR INTERNAL USE ONLY

MILWAUKEE's Recommended Battery

TRADEOFFS

RUN-TIME

Compatible, not optimal run-time for tool experience

POWER

Compatible, not optimal power output for tool experiences

SIZE / WEIGHT

Compatible, not optimal size & weight for tool experience



	M18™ REDLITHIUM™ FORCE™ HD12.0	M18™ REDLITHIUM™ FORCE™ XC8.0	M18™ REDLITHIUM™ HIGH OUTPUT™ XC6.0	M18™ REDLITHIUM™ XC5.0	M18™ REDLITHIUM™ HIGH OUTPUT™ CP3.0	M18™ REDLITHIUM™ CP2.0
FORCE LOGIC™ Press Tool	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	
Deep Cut Band Saw	SIZE / WEIGHT	SIZE / WEIGHT			RUN-TIME / POWER	RUN-TIME / POWER
SAWZALL® Reciprocating Saw	SIZE / WEIGHT				RUN-TIME / POWER	RUN-TIME / POWER
Transfer Pump	SIZE / WEIGHT	SIZE / WEIGHT			RUN-TIME / POWER	RUN-TIME / POWER
1" SDS Plus Rotary Hammer	SIZE / WEIGHT			RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
Pipe Threader			RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
Compact Pipe Threader	SIZE / WEIGHT		RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
5 CFM Vacuum Pump			RUN-TIME	RUN-TIME	RUN-TIME	RUN-TIME
1/2" High Torque Impact Wrench	SIZE / WEIGHT				RUN-TIME / POWER	RUN-TIME / POWER
Sectional Machine			RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
High Speed Chain Snake for 1-1/2" – 4" Pipes		RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
Drain Snake w/ CABLE DRIVE™	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT			
120' Mid-Stiff Modular Pipeline Inspection System	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT		RUN-TIME	RUN-TIME





BATTERY & TOOL RECOMMENDATIONS

ELECTRICAL

FOR INTERNAL USE ONLY

 **MILWAUKEE's Recommended Battery**

TRADEOFFS

RUN-TIME

Compatible, not optimal run-time for tool experience

POWER

Compatible, not optimal power output for tool experiences

SIZE / WEIGHT

Compatible, not optimal size & weight for tool experience



	M18™ REDLITHIUM™ FORGE™ HD12.0	M18™ REDLITHIUM™ FORGE™ XC8.0	M18™ REDLITHIUM™ HIGH OUTPUT™ XC6.0	M18™ REDLITHIUM™ XC5.0	M18™ REDLITHIUM™ HIGH OUTPUT™ CP3.0	M18™ REDLITHIUM™ CP2.0
 Overhead Rotary Hammer w/ Integrated Dust Extraction	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	✓	POWER
 Compact Dual-Trigger Band Saw	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	✓	✓
 9" Cut-Off Saw w/ ONE-KEY™	✓	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
 SUPER SAWZALL® Reciprocating Saw	✓	✓	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
 FORCE LOGIC™ 10 Ton Knockout Tool	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	✓	✓
 FORCE LOGIC™ 6 Ton Knockout Tool	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	✓	✓
 FORCE LOGIC™ 750 MCM Dieless Crimper	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	✓	✓
 FORCE LOGIC™ 750 MCM Crimper	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	✓	✓
 FORCE LOGIC™ 600 MCM Crimper	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	✓	✓
 Pipe Threader w/ ONE-KEY™ Kit	✓	✓	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER	RUN-TIME / POWER
 Cable Stripper	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	SIZE / WEIGHT	✓	✓





ADDITIONAL RESOURCES

ADDITIONAL RESOURCES

DEMO VIDEOS:

[M18™ REDLITHIUM™ FORGE™ HD12.0 & CIRC SAW DEMO](#)



[M18™ REDLITHIUM™ FORGE™ XC8.0 & DUAL BATTERY CHAINSAW DEMO](#)



[M18™ REDLITHIUM™ FORGE™ XC6.0 CIRC & IMPACT WRENCH DEMOS](#)

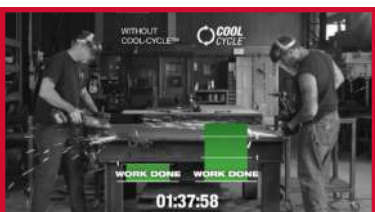
TECHNOLOGY VIDEOS:

[HOW COOL-CYCLE™ WORKS](#)



[WHAT IS CHARGE ADAPT™](#)

[DUTY CYCLE BENEFITS OF COOL-CYCLE™](#)



E-LEARNINGS:

[M18™ REDLITHIUM™ FORGE™ XC8.0 & HD12.0 E-LEARNING](#)

[BATTERIES, MOTORS, AND ELECTRONICS E-LEARNING](#)

LAUNCH DECKS:

[M18™ REDLITHIUM™ FORGE™ HD12.0 & XC8.0](#)



[M18™ REDLITHIUM™ FORGE™ XC6.0 & DUAL BAY SIMULTANEOUS SUPER CHARGER](#)



QUICK LINKS:

[CHARGE TIMES FOR ALL M18™ & M12™ BATTERIES](#)

[COMBATING CHARGER MISCONCEPTIONS & OBJECTIONS](#)

[BATTERY RECYCLING DROP-OFF LOCATIONS](#)



M18

**PERFORMANCE DRIVEN
TRADE FOCUSED
SYSTEM WIDE**

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