



M18 **M12**

BATTERY AND CHARGER POSITIONING GUIDE



M18 **REDLITHIUM**
FORGE



M18 **REDLITHIUM**



M12 **REDLITHIUM**
HIGH OUTPUT



M18 **Dual Bay Simultaneous**
SUPERCHARGER



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.



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



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.

FITS M18™ TOOLS SINCE 2007

WHAT IS THE STEP UP STRATEGY FOR M18™ BATTERIES & THE OFFERINGS PER TIER?

M18 REDLITHIUM FORGE

MOST POWER
FASTEST CHARGING
LONGEST LIFE

M18 REDLITHIUM HIGH OUTPUT

MORE POWER

M18 REDLITHIUM

CP

48-11-1835
M18™ REDLITHIUM™ HIGH OUTPUT™ CP3.0 Battery Pack

48-11-1837
2-Pack

48-59-1835
Starter Kit

48-11-1820
M18™ REDLITHIUM™ CP2.0 Battery Pack

48-11-1815
M18™ REDLITHIUM™ CP1.5 Battery Pack

XC

NEW

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

48-59-1881
Starter Kit

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

48-11-1865
M18™ REDLITHIUM™ HIGH OUTPUT™ XC6.0 Battery Pack

48-11-1862
2-Pack

48-11-1850
M18™ REDLITHIUM™ XC5.0 Battery Pack

48-11-1852
2-Pack

48-11-1851
10-Pack

48-59-1850
Starter Kit

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

48-11-1852R
2-Pack

48-11-1840
M18™ REDLITHIUM™ XC4.0 Battery Pack

48-11-1828
M18™ REDLITHIUM™ XC3.0 Battery Pack

HD

NEW

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

48-59-1300
Starter Kit



CP Less weight and smaller size

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


HD Best performance for high-demand applications

WHAT IS THE STEP UP STRATEGY FOR M12™ BATTERIES & THE OFFERINGS PER TIER?



M12 REDLITHIUM
HIGH OUTPUT™
MORE POWER

CP



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

XC



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




M12 REDLITHIUM



48-11-2430
M12™ REDLITHIUM™
CP3.0 Battery Pack



48-11-2460
M12™ REDLITHIUM™
XC6.0 Battery Pack



48-11-2420
M12™ REDLITHIUM™
CP2.0 Battery Pack



48-11-2440
M12™ REDLITHIUM™
XC4.0 Battery Pack



48-11-2401
M12™ REDLITHIUM™
CP1.5 Battery Pack

48-11-2411
2-Pack



48-11-2402
M12™ REDLITHIUM™
XC3.0 Battery Pack

48-11-2412
2-Pack




CP Less weight and smaller size



XC More power and run-time

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
- Miter Saws
- Vacs
- Table Saws



WALK-BEHIND TOOLS

- Lawn Mower



TOOLS NEEDING CONTINUOUS RUN-TIME

- SDS Max Rotary Hammer
- Backpack Blower

WORK DONE ON A FULL CHARGE



0910-20



XC8.0



HD12.0



30 Min.



47 Min.

Run-time testing was completed in max run-time mode

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

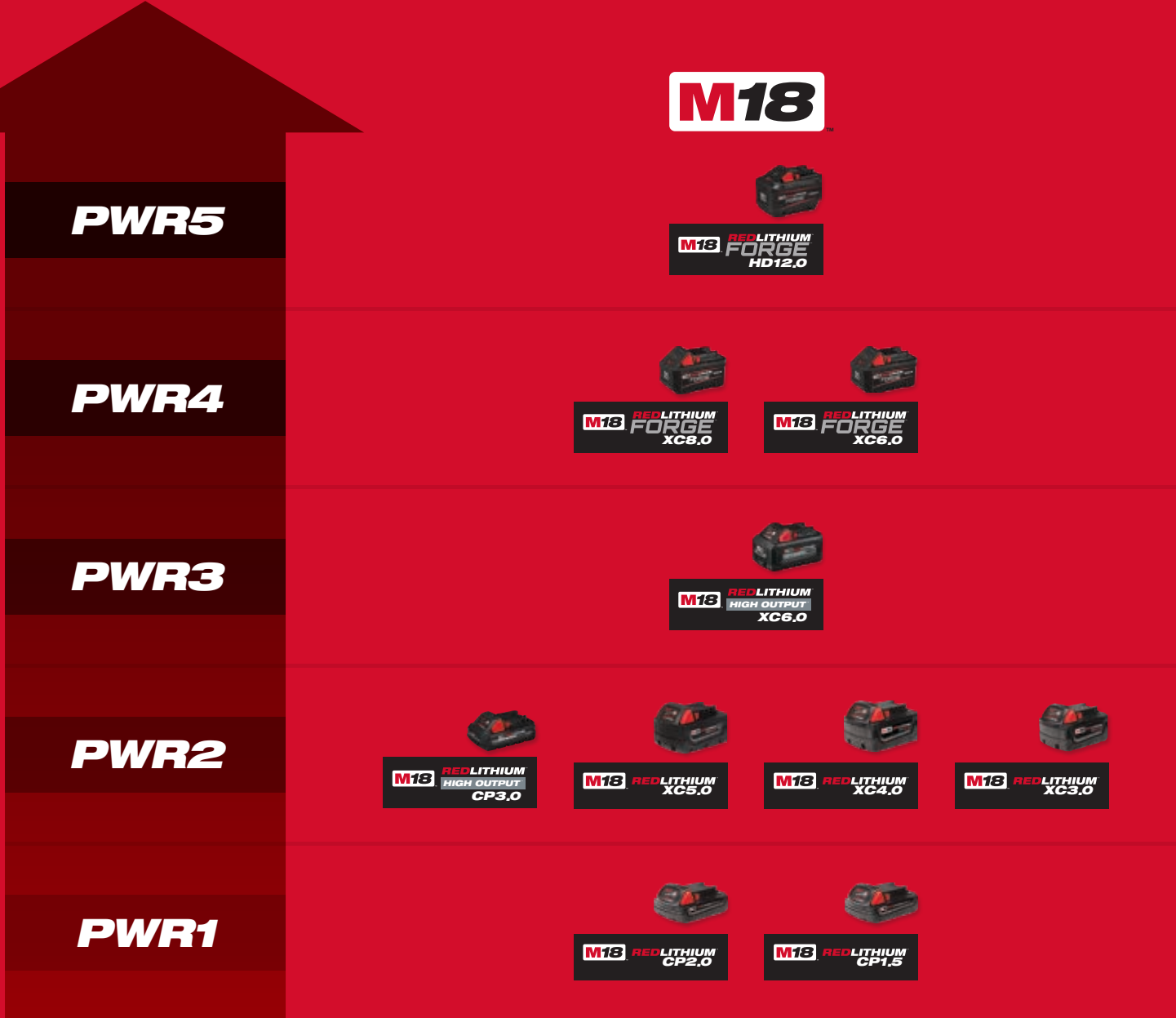


Best performance for high-demand applications

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

POWER SCALE

TOOL PERFORMANCE



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

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

POWER SCALE

TOOL PERFORMANCE



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

HOW & WHEN ARE RESISTANT BATTERIES NEEDED?

RESISTANT BATTERIES



RECOMMENDED FOR:

- Transportation maintenance & manufacturing trades



COMMON OILS, GREASES AND SOLVENTS:

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

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

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



M18 NEW BATTERIES: HD12.0 & XC8.0

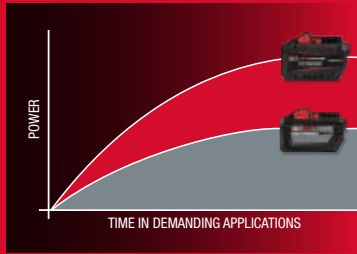
NEW

M18 REDLITHIUM FORGE HD12.0

NEW

M18 REDLITHIUM FORGE XC8.0

50% MORE POWER VS HIGH OUTPUT™ 12.0



48-11-1813

HIGH OUTPUT™ 12.0 POWER SMALLER SIZE



48-11-1881

HIGH-SPEED COOLING

35 MIN SUPERCHARGE TO 80%



LONGEST LIFE

UPGRADED PACK CONSTRUCTION



PATENTED INGRESS COATING

PROTECTION FROM
DUST, DEBRIS & WATER



RESISTANT HOUSING



INCREASED CYCLE LIFE



- Provides increased protection to maximize active cooling through an upgraded venting design.

- Cycle life is defined as the number of discharges over the life of the battery.

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.


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.



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

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**

			UP TO 4X FASTER	UP TO 2X FASTER	
M18	REDLITHIUM™ FORGE™		M18	M18	
			REDLITHIUM™ HIGH OUTPUT™	REDLITHIUM™	
			HIGH OUTPUT™ XC6.0	XC5.0	
FORGE™ HD12.0	FORGE™ XC8.0	FORGE™ XC6.0			
35 MIN	35 MIN	15 MIN	25 MIN	42 MIN	TO 80%
45 MIN	45 MIN	25 MIN	35 MIN	60 MIN	TO 100%
130 MIN	83 MIN	62 MIN	65 MIN	60 MIN	TO 100%
241 MIN	162 MIN	115 MIN	123 MIN	105 MIN	TO 100%

SUPERCHARGER
FASTEST CHARGING

RAPIDCHARGER
FASTER CHARGING

STANDARD CHARGER

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.

FEATURE WORKS WITH COOL-CYCLE™ CAPABLE BATTERIES & CHARGERS



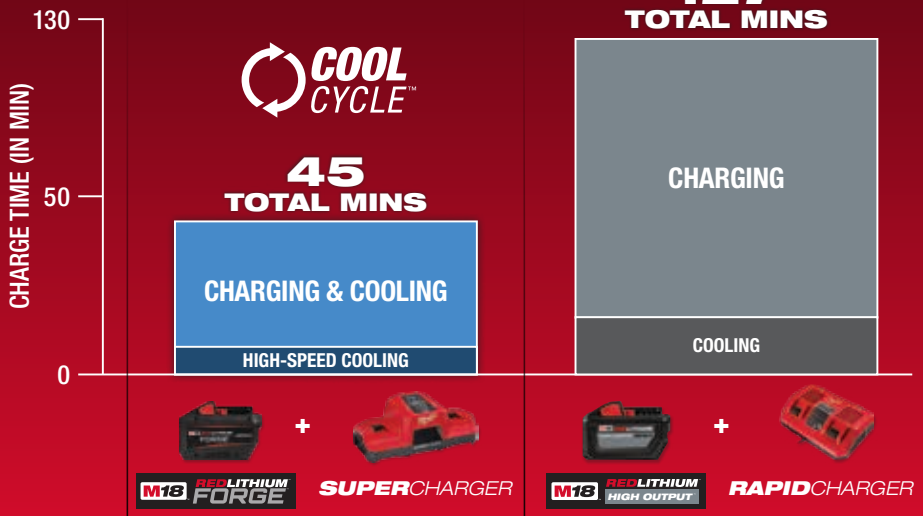
HIGH-SPEED COOLING
LESS DOWNTIME.

SCAN TO SEE HOW COOL-CYCLE™ WORKS



<https://qr.mke.tl/29ke8>

CHARGE HOT BATTERIES FASTER TO 100%



EXAMPLES OF HIGH-DEMAND APPLICATIONS:



Continuous grinding



Multiple cuts in 18" hardwood



Drilling multiple back-to-back holes in concrete

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

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



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

M18™

**Six Bay Daisy Chain
RAPIDCHARGER**



**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.

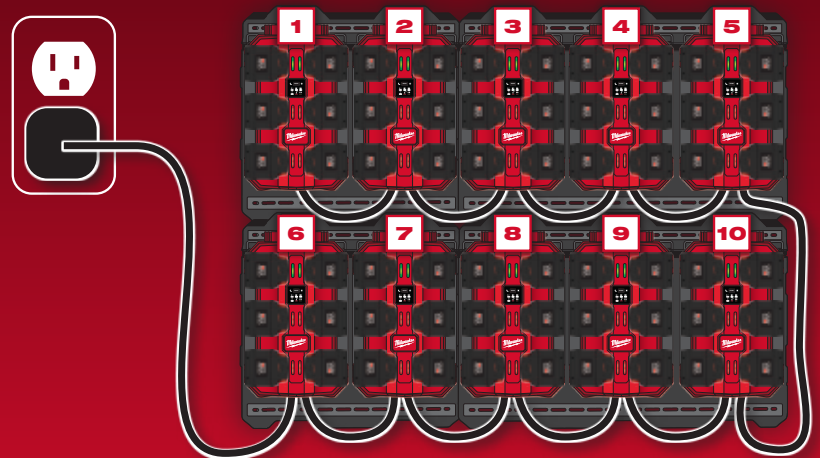
HOW IT WORKS

- 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



SUPERCHARGER
FASTEST CHARGING

RAPIDCHARGER
FASTER CHARGING

STANDARD CHARGER

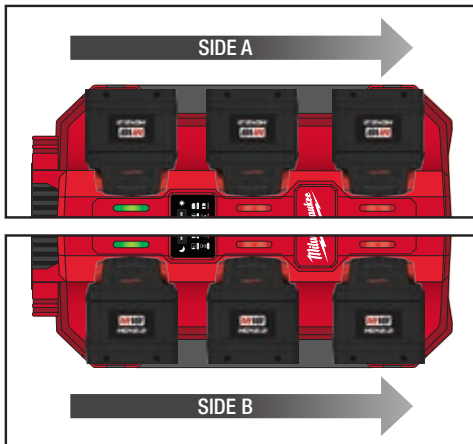
WHEN SHOULD USERS SWITCH TO DAYTIME MODE?

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.

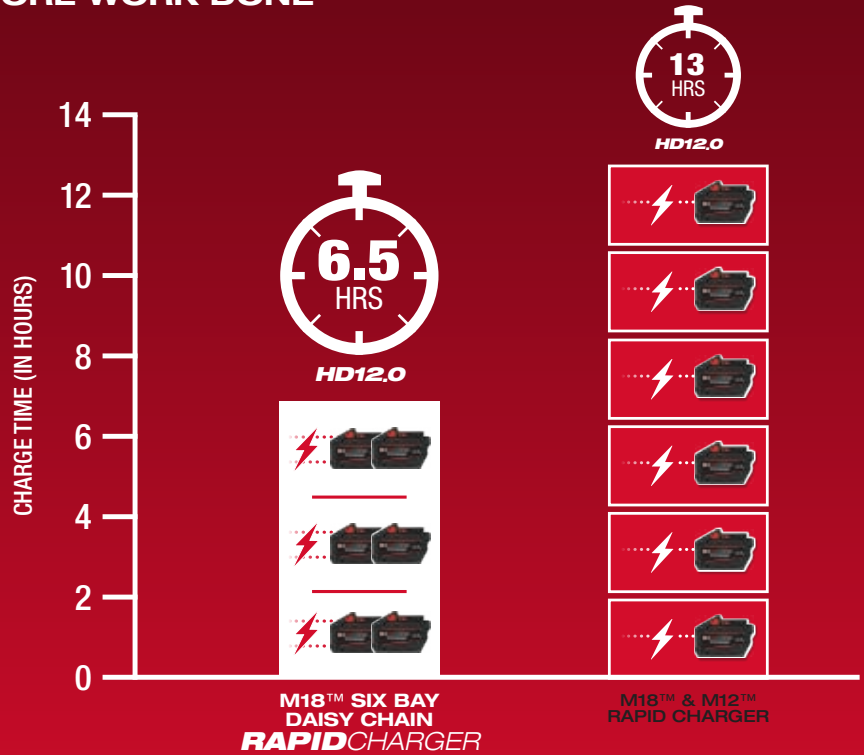
CHARGE TWO BATTERIES SIMULTANEOUSLY AT A RAPID CHARGE RATE

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.



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

CHARGE MORE BATTERIES. PREVENT TRIPPED BREAKERS.

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



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



		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

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



M18

**PERFORMANCE DRIVEN
TRADE FOCUSED
SYSTEM WIDE**