



## PORTABLE CHARGERS

### POWER TRIP

Bring the action right to your boat with the convenience of a portable charger.

You can take it with you. Our easy-to-use portable chargers feature Automatic Multi-Stage Charging to keep you on the water longer and are designed to extend the overall life of your batteries.

#### AUTOMATIC MULTI-STAGE CHARGING

The same innovative technology in our on-board chargers is also available in our portable chargers. It delivers the right amount of power at each phase of the charging process for an accurate charge that extends battery life.

#### LED INDICATORS

Get a quick, easy read of power ON, charging, full charge and check connection.

#### SHORT CIRCUIT AND REVERSE POLARITY PROTECTION

As an extra safeguard, this innovation prevents chargers from operating if improperly connected to the battery.



#### THREE-YEAR REPLACEMENT WARRANTY

Minn Kota stands behind every portable battery charger with a full three-year replacement warranty.



MK 105P	MK 110P	MK 210P
1 BANK	1 BANK	2 BANKS
5 AMPS OUTPUT	10 AMPS OUTPUT	5 AMPS OUTPUT PER BANK
5 AMPS TOTAL OUTPUT	10 AMPS TOTAL OUTPUT	10 AMPS TOTAL OUTPUT

#### SPECIFICATIONS

- For use with 12V/6 cell batteries (50-130 amp hour rating) that are Flood/Wet Cell, Maintenance Free or Starved Electrolyte (AGM) only
- FCC Compliant
- Designed to UL marine standard 1236

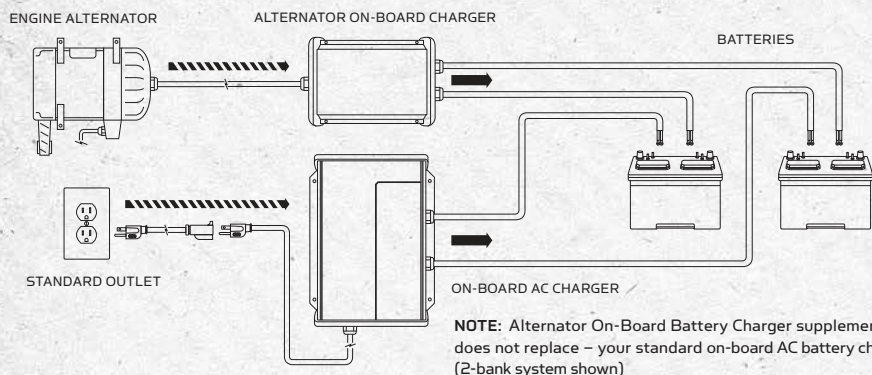


## ALTERNATOR ON-BOARD BATTERY CHARGERS

### AN EXTRA JOLT

While on the water, boost your trolling batteries with excess power from your outboard's alternator.

Put every ounce of power to good use with an Alternator charger, which takes your alternator's excess power and redistributes it to your trolling batteries. You get an extra boost on the water, and better battery life.

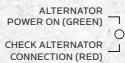


#### CHARGE-ON-THE-FLY TECHNOLOGY

Alternator chargers boost your trolling batteries while on the water. They take excess power from the outboard's alternator and deliver it to your trolling batteries to extend run times, decrease on-shore charge times and increase battery life.

#### BATTERY PROTECTION

Frequent deep discharges can damage your battery over time. With the boost you get from an Alternator charger, you avoid those deep discharges - in addition to shortening charge times and extending battery life.



#### LED DISPLAY

An easy-to-read indicator of power-on, check connection and charging status.



#### BUILT TOUGH

Every Minn Kota charger is waterproof, shock-resistant, vibration-resistant and fortified to fully combat saltwater corrosion. And every charger is backed with a three-year full replacement warranty.



MK 1DC	MK 2DC	MK 3DC
1 BANK	2 BANKS	3 BANKS
10 AMPS OUTPUT	10 AMPS OUTPUT PER BANK	10 AMPS OUTPUT PER BANK
10 AMPS TOTAL OUTPUT	20 AMPS TOTAL OUTPUT	30 AMPS TOTAL OUTPUT

#### SPECIFICATIONS

- For use with 12-, 24-, or 36-volt systems with 12V/6 cell batteries that are Flooded/Wet Cell, Maintenance Free or Starved Electrolyte (AGM) only
- FCC Compliant

## BATTERY CHARGERS ACCESSORIES



#### BATTERY CONNECTORS (MK-BC-1)

Patented design is ideal for installing batteries in tight, confined places. Easy to disconnect for quick, convenient charging. Plastic cover eliminates risk of electrical shock.



#### TROLLING MOTOR POWER CENTER

For small boat, transom applications, these easy access external battery terminals allow trolling motor leads and charger leads to be connected without opening the box. Built-in battery meter includes two 12-volt accessory plugs, and two manual reset circuit breakers (10 amp for accessory plugs and 60 amp for trolling motor). Fits group 24- and 27-size batteries.



#### DIGITAL BATTERY METER (MK-BM-ID)

Monitor the voltage level and "state of charge" of any 12-volt battery with a LCD display mounted on a compact frame that's easy to store anywhere. Includes LEDs that indicate full, 2/3, 1/3 or 0 "state of charge."



#### CHARGER OUTPUT EXTENSION CABLES (MK-EC-15)

Extension cables are ideal when standard charger cables will not reach bow, center or transom battery compartments. Features WAGO® Wall-Nut™ quick connectors (UL listed). Fused (30 amp) positive and negative leads. Available in 15' length.

## CHARGE SMARTER WITH MINN KOTA

MARINE BATTERY CHARGERS



ON-BOARD  
ALTERNATOR  
PORTABLE



minnkotamotors.com



MKR-21 AC POWER PORT  
FRESHWATER



MKR-23 AC POWER PORT  
SALTWATER

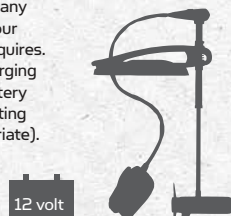
#### AC POWER PORT (MKR-21, MKR-23)

Our convenient adapter allows quick thru-hull connection to an AC extension cord using the male AC plug from any of our chargers. No cutting or splicing required. The watertight cover and gasket prevent corrosion on the AC plug when it isn't in use.

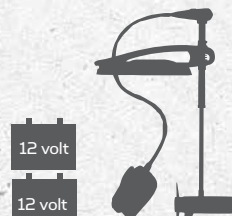
## PICK THE RIGHT CHARGER

1

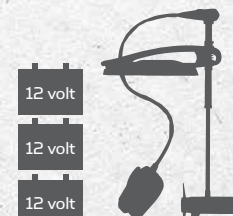
Determine how many charging banks your trolling system requires. You need one charging bank for each battery (include your starting battery, if appropriate).



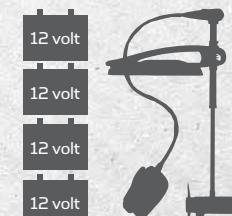
1 battery = 1 charging bank



2 batteries = 2 charging banks



3 batteries = 3 charging banks



4 batteries = 4 charging banks

2

Determine the speed of recovery/recharging time you require.\*

3 - 5 HOURS RECOVERY TIME

15 AMPS PER BANK

4 - 6 HOURS RECOVERY TIME

10 AMPS PER BANK

10 - 12 HOURS RECOVERY TIME

5 OR 6 AMPS PER BANK

\* Approximate time to resotre deep cycle batteries at 60% discharge.

3

If you're choosing an on-board charger, decide whether you need a Precision or Digital model. Both lines offer fast, precise, protected charging. But Precision chargers are our fastest, and add even more features to help prolong the life of your batteries.



PRECISION AND DIGITAL ON-BOARD CHARGERS

STOP BUYING  
NEW BATTERIES.  
START TAKING CARE OF  
THE ONES YOU'VE GOT.

Faster, more accurate charges create a better-running, longer-lasting battery.

A charger is a charger, right? Wrong. Only a digitally controlled Minn Kota® can protect your battery with a safe, controlled charge that won't over- or under-charge it. With advanced technologies to create the smartest, fastest charge – your battery will run like new, even when it isn't.

HERE'S HOW DIGITALLY CONTROLLED CHARGERS HELP YOU ON THE WATER:

**Faster**  
Minn Kota chargers get you back out on the water faster than any other.

**More Precise**  
They don't over- or under-charge your battery, which can shorten the life of your batteries.

**Protects Your Battery**  
Advanced innovations create just the right charge every time you plug in. So your battery runs like new for years.

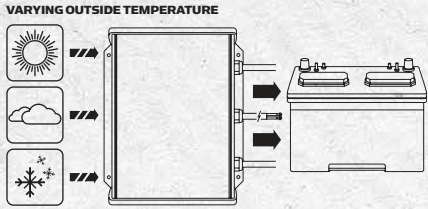
CHOOSING AN ON-BOARD: THE PRECISION DIFFERENCE

Both of our digitally controlled on-board charger lines – Precision and Digital – give your battery a smart, fast, protected charge. But Precision chargers are armed with an arsenal of smart technologies that take faster, smarter and more precise to a whole new level.

FEATURES	PRECISION CHARGERS	DIGITAL CHARGERS
True-Rated Output	X	X
Automatic Temperature Compensation	X	X
Automatic Multi-Stage Charging	X	X
Digital Control	X	X
3-Year Replacement Warranty	X	X
Rugged Waterproof Construction	X	X
Battery Equalization	X	
Low-Line Voltage Compensation	X	
Battery Type Selection by Bank	X	

**TRUE-RATED OUTPUT**  
Delivers full, true-rated output for a faster charge.

**AUTOMATIC TEMPERATURE COMPENSATION**  
Charging your batteries at higher or lower temperatures can damage your battery. Our chargers sense outside temperature fluctuations and adjusting the charge accordingly, providing a fast, accurate charge.



**AUTOMATIC MULTI-STAGE CHARGING**  
Controls the voltage and current your battery gets throughout the three stages of the charging cycle for a safe, precise charge.



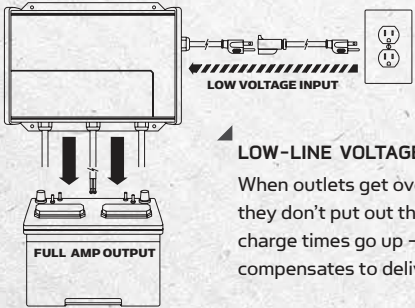
**DIGITAL CONTROL**  
The science is simple: digital is better. Our microprocessor-based design delivers a faster, more precise charge every time. And a longer day of worry-free fishing for you.



**THREE-YEAR REPLACEMENT WARRANTY**  
We stand behind every on-board battery charger with a full three-year replacement warranty.

**RUGGED WATERPROOF CONSTRUCTION**  
All of our on-board chargers are built tough, with waterproof, shock-resistant and vibration-resistant rugged construction. Plus, they're saltwater-tested to fully combat corrosion.

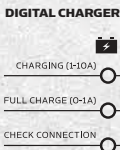
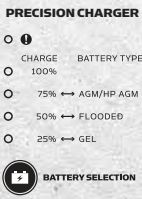
**BATTERY EQUALIZATION\***  
Every time you plug in a Precision charger, it "equalizes," meaning it cleans and conditions your battery to extend run time and battery life. You can also activate a more rigorous, complete equalization at the push of a button.  
\*Lead acid batteries only



**LOW-LINE VOLTAGE COMPENSATION**  
When outlets get overloaded or hooked up to long extension cords, they don't put out the 120 volts they're supposed to. That makes charge times go up – unless you've got a Precision charger, which compensates to deliver a fast, consistent charge no matter what.

**BATTERY TYPE SELECTION BY BANK**  
On each bank of a Precision charger, you can select what battery type you have connected (AGM, gel or flooded lead acid) to guarantee a safe, protected charge.

**LED INDICATORS**  
Know right where you're at with our chargers' status code displays. Every charger displays connection status, state of charge and error codes. Precision Chargers also indicate your selected battery type.



PRECISION ON-BOARD CHARGERS



MK 106PC



MK 110PC



MK 115PC



MK 212PC



MK 220PC



MK 230PC

MK 106PC
1 BANK
6 AMPS OUTPUT
6 AMPS TOTAL OUTPUT

MK 110PC
1 BANK
10 AMPS OUTPUT
10 AMPS TOTAL OUTPUT

MK 115PC
1 BANK
15 AMPS OUTPUT
15 AMPS TOTAL OUTPUT

MK 212PC
2 BANKS
6 AMPS OUTPUT PER BANK
12 AMPS TOTAL OUTPUT

MK 220PC
2 BANKS
10 AMPS OUTPUT PER BANK
20 AMPS TOTAL OUTPUT

MK 230PC
2 BANKS
15 AMPS OUTPUT PER BANK
30 AMPS TOTAL OUTPUT



MK 318PC



MK 330PC



MK 345PC



MK 440PC



MK 460PC

MK 318PC
3 BANKS
6 AMPS OUTPUT PER BANK
18 AMPS TOTAL OUTPUT

MK 330PC
3 BANKS
10 AMPS OUTPUT PER BANK
30 AMPS TOTAL OUTPUT

MK 345PC
3 BANKS
15 AMPS OUTPUT PER BANK
45 AMPS TOTAL OUTPUT

MK 440PC
4 BANKS
10 AMPS OUTPUT PER BANK
40 AMPS TOTAL OUTPUT

MK 460PC
4 BANKS
15 AMPS OUTPUT PER BANK
60 AMPS TOTAL OUTPUT

DIGITAL ON-BOARD CHARGERS



MK 106D



MK 210D



MK 220D

MK 106D
1 BANK
6 AMPS OUTPUT
6 AMPS TOTAL OUTPUT

MK 210D
2 BANKS
5 AMPS OUTPUT PER BANK
10 AMPS TOTAL OUTPUT

MK 220D
2 BANKS
10 AMPS OUTPUT PER BANK
20 AMPS TOTAL OUTPUT



MK 315D



MK 330D



MK 440D

MK 315D
3 BANKS
5 AMPS OUTPUT PER BANK
15 AMPS TOTAL OUTPUT

MK 330D
3 BANKS
10 AMPS OUTPUT PER BANK
30 AMPS TOTAL OUTPUT

MK 440D
4 BANKS
10 AMPS OUTPUT PER BANK
40 AMPS TOTAL OUTPUT

Need help selecting the right charger? Flip to the back side and we'll help you get the right power for your batteries.

SPECIFICATIONS

- Precision Chargers are for use with 12-, 24-, 36- or 48-volt systems with 12V/6 cell batteries that are Flooded Lead Acid, Maintenance Free, Starved Electrolyte (AGM/HP AGM) or Gel only
- Digital Chargers are for use with 12-, 24-, 36- or 48-volt systems with 12V/6 cell batteries that are Flooded/Wet Cell, Maintenance Free or Starved Electrolyte (AGM) only
- Short circuit, reverse polarity, and ignition protected
- FCC Compliant
- Designed to UL marine standard 1236

