

ProMariner®

ProTechOne *Digital Series*

Fully Automatic On-Board Battery Charger & Maintainer

ProMariner's ProTechOne Fully Automatic On-Board Battery Charger and Maintainer utilizes the latest in microprocessor and software control charging and energy saving auto maintain technology. Safe for short and long term storage with multi-stage charging, conditioning and auto maintaining proven to maximize battery performance and life. Designed for weatherproof applications and years of trouble free use, ProTechOne boasts a gasketed molded case design for outdoor use with commercial grade jacketed AC and DC cables for maximum cable protection and durability.

ProTechOne incorporates a push-to-test battery status monitor showing remaining battery power, in addition to fault detection of battery connections, reverse polarity or battery too low to charge. In the event of a fault, both the Charging and Auto Maintain LEDs will remain off.

An angled easy-to-view LED dashboard provides quick status of AC Power, Charge Mode and Auto Maintain (Energy Saver) mode, which controls the charging output as needed to maintain a fully charged battery, lowering AC consumption and reducing operating cost.

- IP65 Weatherproof
- All Digital Charging Technology for Flooded Lead Acid & Gel Batteries
- Weatherproof Gasketed Rugged Plastic Molded Housing
- Fully Automatic Multi-stage Digital Charging
- Dedicated Battery Charging, Sensing and Control
- Pre-wired Easy Installation
- Built-in Safety
 - Reverse Polarity, Ignition, Over-Current, Over-Voltage and Over-Temperature Protection
- Ignition Protected And FCC Class A for Quiet Operation and Non Radio Interference
- Integrated AC Power Inlet with Cover and Quick Mounting Indexing (Model Specific)

LED Charge Mode Indicator with Auto Maintain Energy Saver Mode

Push-to-test Battery Monitor LED Fuel Gauge Status

Waterproof DC Safety Fuse For Maximum DC Wire Protection



2 Year Warranty

Conforms to UL STD. 1236
Certified to CSA STD. C22.2 No. 107.2
FCC Class A, CEC & DOE Listed

FC

BC

cETLus
Intertek

ProMariner®

AVAILABLE IN FOUR MODELS



AC corded models with
2.5" power cord
4 Amp / 5 Amp



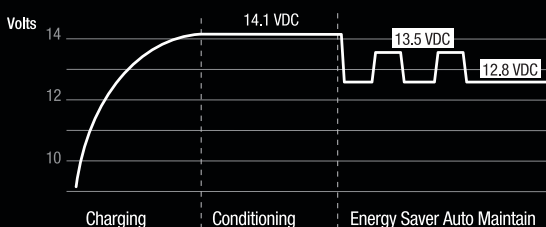
Integrated AC power inlet
with self-closing cover
4 Amp / 5 Amp



| AC CORDED MODEL WITH 2.5' POWER CORD | | | | | | | | |
|--------------------------------------|--------------|-------------------|------|---------------|--------------|------------------|---------|----------------------|
| Part No. | Model | DC System Voltage | Amps | No. Batteries | Cable Length | Size (H x W x D) | Weight | AC In |
| 25104 | ProTechOne 4 | 12 | 4 | 12V | 2.5' | 4" x 6.1" x 2.6" | 1.4 lbs | 110-120 VAC, 50/60Hz |
| 25105 | ProTechOne 5 | 12 | 5 | 12V | 2.5' | 4" x 6.1" x 2.6" | 1.4 lbs | 110-120 VAC, 50/60Hz |

| INTEGRATED AC POWER INLET WITH SELF-CLOSING COVER | | | | | | | | |
|---|--------------|-------------------|------|---------------|--------------|------------------|---------|----------------------|
| Part No. | Model | DC System Voltage | Amps | No. Batteries | Cable Length | Size (H x W x D) | Weight | AC In |
| 24104 | ProTechOne 4 | 12 | 4 | 12V | 2.5' | 4" x 6.1" x 2.6" | 1.2 lbs | 110-120 VAC, 50/60Hz |
| 24105 | ProTechOne 5 | 12 | 5 | 12V | 2.5' | 4" x 6.1" x 2.6" | 1.2 lbs | 110-120 VAC, 50/60Hz |

CHARGING PROFILE



ProTechOne's 3-Stage Digital Charging algorithm is fully automatic and designed to extend battery life.

Stage 1 & 2 - Charge / Conditioning Mode: During this mode the red charge LED will be solid on indicating the battery is being charged in constant current mode as controlled by temperature until the battery voltage is raised to 14.1 VDC and will hold at 14.1 VDC in constant voltage mode for 2 to 3 hours to condition the battery. When completed, the red Charging LED will shut off.

Stage 3 - Energy Saver Auto Maintain Mode: During this mode the green Auto Maintain LED will be solid on indicating the battery is being monitored while the charger is in standby mode consuming little to no power until the battery drops under 12.8 VDC (fully charged) and the charger outputs will turn on and auto maintain the battery in a fully charged state. This is fully automatic and safe for short and long term storage.