

ODYSSEY™ Ultimizer™ Chargers

Engineered for maximum battery performance on land and water

Lightweight and portable, ODYSSEY™ Ultimizer™ 12V chargers are specifically designed to support the full line of ODYSSEY batteries – Automotive/LTV, Heavy Duty/Commercial, Powersports and Trolling Thunder™/ Marine Dual Purpose.

Powerful enough to charge batteries quickly, these sophisticated chargers are also safe enough to leave them connected to the batteries indefinitely without damage. All ODYSSEY Ultimizer chargers offer these important benefits:

- Three-step charge profile ensures fast, complete and safe charge (see reverse side)
- Continuous trickle charge keeps batteries fully charged during extended periods of non-use
- Sophisticated sequential charging technology keeps triple bank chargers lightweight and compact



ODYSSEY™ Ultimizer™ Chargers

The full line of ODYSSEY Ultimizer chargers includes:

- 6amp - single bank
- 12amp - single bank
- 25amp - single bank
- 40amp - triple bank
- 50amp - single bank
- 50amp - triple bank



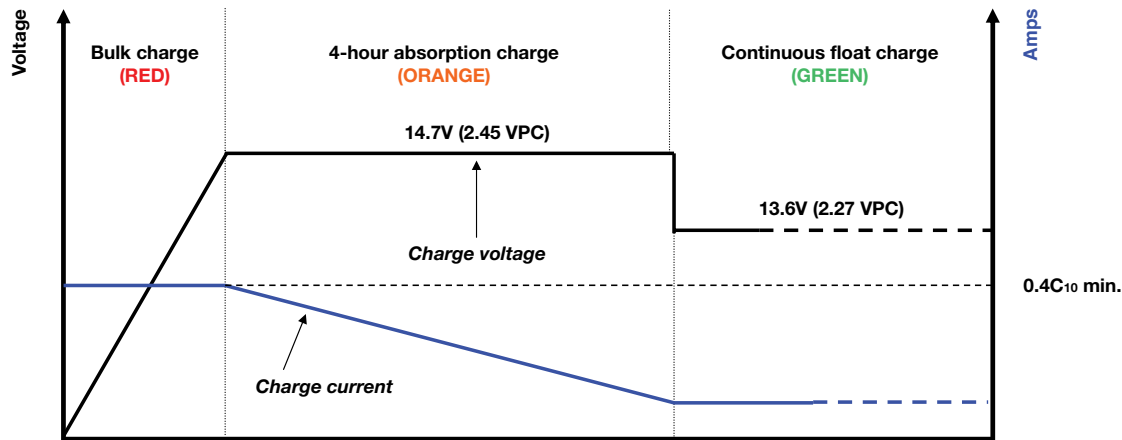
ODYSSEY™ Trolling Thunder™ / Marine Dual Purpose Ultimizer™ Chargers

The full line of ODYSSEY Trolling Thunder / Marine Dual Purpose chargers includes:

- 6amp - single bank
- 12amp - single bank
- 25amp - dual bank

3-Step Charge Profile

- **INPUT** – 120V, 60 Hz, single phase; current varies with model
- **OUTPUT** – Three-Step charge profile (see figure below)



Bulk Phase – Fast charges the battery up to 14.7V and gets the battery to about 80% state of charge

Absorption Phase – Finishes off the charge in no more than an additional 4 to 6 hours after completion of bulk charge

Float Charge – Continuous trickle charge will keep the battery topped off and ready to go

NOTES:

1. Charger LED stays **RED** in bulk charge phase (**DO NOT TAKE BATTERY OFF CHARGE**)
2. LED changes to **ORANGE** in absorption charge phase (**BATTERY AT 80% STATE OF CHARGE**)
3. LED changes to **GREEN** in float charge phase (**BATTERY FULLY CHARGED**)
4. Float charge voltage is temperature compensated at $\pm 24\text{mV}/\text{battery}/^\circ\text{C}$ variation from 25°C
5. Switch to float when current drops to 100mA or battery has been on absorption charge for 4 hours

CHARGER MODEL	DESCRIPTION	FOR USE WITH ODYSSEY BATTERY MODELS
OMAX-6A-1B	6amp, single bank	PC310, PC535, PC545, PC625, PC680
OMAX-12A-1B	12amp, single bank	PC310, PC535, PC545, PC625, PC680, PC925
OMAX-25A-1B	25amp, single bank	PC310, PC535, PC545, PC625, PC680, PC925, PC1200, 75/86-PC1230, 25-PC1400, 35-PC1400, 34-PC1500, 34/78-PC1500, PC1700, 65-PC1750
OMAX-40AS-3B	40amp, triple bank sequencer	PC310, PC535, PC545, PC625, PC680, PC925, PC1200, 75/86-PC1230, 25-PC1400, 35-PC1400, 34-PC1500, 34/78-PC1500, PC1700, 65-PC1750, 31-PC2150
OMAX-50A-1B	50amp, single bank	PC310, PC535, PC545, PC625, PC680, PC925, PC1200, 75/86-PC1230, 25-PC1400, 35-PC1400, 34-PC1500, 34/78-PC1500, PC1700, 65-PC1750, 31-PC2150, PC2250
OMAX-50AS-3B	50amp, triple bank sequencer	PC310, PC535, PC545, PC625, PC680, PC925, PC1200, 75/86-PC1230, 25-PC1400, 35-PC1400, 34-PC1500, 34/78-PC1500, PC1700, 65-PC1750, 31-PC2150, PC2250

CHARGER MODEL	DESCRIPTION	FOR USE WITH ODYSSEY TROLLING THUNDER/MARINE DUAL PURPOSE BATTERY MODELS
TMAX-6A-1B	6amp, single bank	PC310, PC535, PC545, PC625, PC680
TMAX-12A-1B	12amp, single bank	PC310, PC535, PC545, PC625, PC680, PC925
TMAX-25AS-2BM	25amp, dual bank sequencer, water resistant	PC310, PC535, PC545, PC625, PC680, PC925, PC1200, 75/86-PC1230, 25-PC1400, 35-PC1400, 34-PC1500, 34/78-PC1500, PC1700, 65-PC1750

EnerSys
P.O. Box 14145
Reading, PA 19612-4145, USA
Tel: +1-610-208-1991
+1-800-538-3627
Fax: +1-610-372-8613

Regional Sales

EnerSys Energy Products Inc.
617 North Ridgeview Drive
Warrensburg, MO 64093-9301, USA
Tel: +1-660-429-2165
Fax: +1-660-429-1758



www.odysseybattery.com