

Battery Chargers

Phase Three Series



12 Volt | PT-25W



12 Volt | PT-24-13W



12 Volt | PT-24-13W

12 Volt

24 Volt

“Smart” battery charging technology for 12 and 24 systems aboard work boats, military vessels, commercial vessels, and recreational craft.

These chargers interact with batteries providing the optimum three stage charge process for fast recovery and conditioning, maximizing performance and extending battery life.

Features

- “Smart” circuitry provides three stage charging: bulk, absorption, float
- Gel-Cell/Flooded Lead-Acid/AGM battery type switch selects optimum charge/float voltages
- Optional sensor adjusts output voltage based on battery temperature (except PT-7)
- Current limiting prevents damage from overloading
- Use as a power supply - can power loads without a battery in-line
- ABS Type Approved battery charger and power supply
- PT-MCU Control/Monitor optional



12 Volt

	PT-7	PT-14W	PT-25W	PT-40U	PT-80
Input VAC	88-132/176-264	85-64	90-132/180-264	90-264	90-264
Max Output Amps	7	14	25	40	80
Output Banks	2	3	3	3	3
Battery Cap. (Amp-Hours)	14-70	28-140	50-250	80-400	160-800
Case Size Ref	A-1	A-2	A-2	A-3	A-5
Weight: Lbs./Kg.	3.2/1.5	8/4	8.2/4	11/6	15.2/7
Temp. Sensor Type	N/A	TCS-12/24	TCS-12/24	TCS-12/24	TCS-12/24
Remote Panel Model	N/A	RP	RP	EVM	RP

24 Volt

	PT-24-8W	PT-24-13W	PT-24-20U	PT-24-45U	PT-24-95U
Input VAC	85-264	90-132/180-264	90-264	90-264	90-264
Max Output Amps	8	13	20	45	95
Output Banks	3	3	3	3	3
Battery Cap. (Amp-Hours)	16-80	26-130	40-200	90-450	180-950
Case Size Ref	A-2	A-2	A-3	A-5	A-6
Weight: Lbs./Kg.	8/4	8.2/4	11/6	12.2/6	24.5/11
Temp. Sensor Type	TCS-12/24	TCS-12/24	TCS-12/24	TCS-12/24	TCS-12/24
Remote Panel Model	RP	RP	N/A	RP	RP

OPTION ACCESSORIES



Remote Panel, model RP
applicable to most models

LED's indicate charger output stage



Remote Panel, model RP
applicable to most models

Charger model: TCS-12/24 o TP



PT-MCU Control/Monitor
AC input breaker output voltage adjust

Digital DC volt meter with alarm

Phase Three Modular Series



24 Volt | PTM-24-22



24 Volt | PTM-24-22

The PTMS charger provides a significant improvement in DC system reliability by utilizing multiple independent charger modules that plug into the bulkhead mounted case, and should a fault occur in one module, the system continues to operate, thus is considered "fault" tolerant.

The system consists of a wall mount case which serves as connection point to AC input and 24V, 3 battery bank output and contains three front-facing power bays, each accommodating a 22.5 amp charger module which slides and locks in place creating a 24V, 67 amp charger. If a module fault occurs, a front panel indicator and alarm relay is activated and the system continues operating on the other modules.

A fourth bay houses the "smart" controller circuit that provides 3 step charging, battery type selector switch, temperature compensation, system status LED's, alarm contacts and indicators. Should the controller suffer a fault, the charger will still operate at full power at float voltage mode. The controller module is also configured for easy plug-in replacement in the field.

Vessel operators appreciate this system approach to reliability and serviceability whereby a fault in one of the modules is easily identified and it can be quickly replaced with an on-hand spare or an exchange unit from the factory, all the while the charging system and the vessel continue to operate.

