

# Battery Chargers - Phase Three Modular

## Charger Modules "Plug-and-Play" Providing: Reliability & Serviceability in a Wall Mount Case

### Phase Three Modular (PTM) Concept

The PTM consists of a case with three power bays, each accommodating a 550 watt charger module which slides and locks in place. If a module fault occurs, a front panel indicator is activated and the system continues operating on the remaining modules.

The system features three stage charging for rapid recharge and optimal battery life.

Go to [www.newmartelecom.com/PTM](http://www.newmartelecom.com/PTM) for complete system specifications.

### General System Specifications

**Input Voltage/Frequency:** 90-264 VAC, 47-63 Hz, single phase; derate linearly from 100% output @ 105 VAC to 80% output @ 90 VAC

**Power Factor:** .96-.99

**Efficiency:** 85 % typical

**Temperature Rating:** 0-60° C; derate linearly from 100% output @ 50° C to 80% output @ 60° C

**Output Battery Banks:** 3

**Module Bays:** 3\*

**Status Indicators:** Output OK, Low Output Voltage, Check System/Module Fault, Battery Hot/Reduced Output, Total Output Current Bar Graph, Output Voltage Test Points

**Alarm Contacts:** Check System; Output OK/Fail



### Options

Temperature Compensation Sensor - Model TCS-12/24: (See pages 18-19 for details)

System Model	Modules Installed*	Max Output Amps	Max Input Amps @ 115/230 VAC	Inches			Centimeters			Weight	
				H	W	D	H	W	D	lbs.	kg.
PTMS-12-100	3	100 @ 12 V	9 / 18	20.9	10.9	8.8	53.1	27.7	22.4	34	15.5
PTMS-24-67	3	67 @ 24 V	9 / 18	20.9	10.9	8.8	53.1	27.7	22.4	34	15.5

## Battery Chargers - ABC Series

### ABC Series

These chargers utilize time tested SCR charging circuitry, individually sensing and regulating each of 2 isolated battery banks, allowing the charger to operate indefinitely, even under no-load conditions without fear of overcharging.

The rugged and reliable ABC charger is employed in hostile environments throughout the world; in mining equipment, emergency service vehicles and rugged off-road applications.

### Features

- Total output ammeter
- Dual independently regulated output banks
- Anodized aluminum case
- 115/230 VAC input selector switch
- Auto-reset thermal breaker
- Conformal coating of circuit board

**Duty Cycle Ratings:** Rated Charging Output 20 min., derate to 50% for continuous output

**Operating Temperature:** 0-40°C

**Float Voltage:** 13.4 VDC



ABC 12-25



ABC 12-8

Model	Input		Output			Inches			Centimeters			Weight	
	Volts	Amps*	Volts	Banks	Amps	H	W	D	H	W	D	(Lbs)	(Kg)
ABC 12-8	105-125 VAC or 210-250 VAC	1.5/.75	12	2	8	8.0	6.0	4.2	20.3	15.2	10.6	9	4.1
ABC 12-25	50-60Hz	5/2.5	12	2	25	11.9	4.7	6.2	30.2	11.9	15.8	14	6.4

\*@ Full Load



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