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Battery Chargers

5000 SP Series Marine Electronic Battery Chargers

12 Volt - 10, 15, 20, 30, 40, 50, 60, 80 & 100 AMP

24 Volt - 10, 15, 20, 30, 40, 50 & 60 AMP



5000 SP Series Marine Electronic Battery Chargers are the best choice for high-performance Marine UL listed products.

Utilizing high-quality components and corrosion-resistant, anodized aluminum housing, the units are built to last, performing in the toughest of marine environments. Charles 5000 SP battery chargers feature a battery type selector switch. This feature allows the boater to charge either lead acid, gel, or AGM batteries.

Marine UL listing ensures durability and safety

- Only complete line of battery chargers approved by Marine UL's stringent specifications, testing and evaluation
- Tested for durability against static, impact, vibration and shock
- DC ammeter indicates the charge rate
- Ignition protected (USCG-33 CFR 183.410)
- AC and DC fuse protection

Multi-step charging with temperature compensation

- Restores up to 3 individual battery banks simultaneously
- Internal temperature compensation (12V 30-100 amp models and 24V 20-60 amp models) automatically adjusts output to precisely charge batteries according to ambient conditions

Corrosion resistant housing and components

- Constructed of tough, anodized aluminum housing that stands up to the elements-including extreme heat, humidity and salt air
- Circuit boards with UL recommended coatings provide the ultimate in environmental protection and hydrolyte stability-meets requirements of MIL-1-46058C

Run cool and quiet

- Cooling fan only operates during peak current demands
- Virtually no RFI or EMI interference exceeds FCC/Class B requirements

Easy to install and service

- Battery selector switch allows charger to be used with lead acid, gel, or AGM batteries
- Exterior slots for easy mounting
- Easy access to terminal connections and fuses
- 5 Year warranty, made in the USA

Specifications

12 Volt Models

Charles Part Number	Amperage	AC Input Voltage Range	DC Output Voltage Range	Frequency	Dimensions
120 VAC, 50/60 Hz					
93-12105SP-A	10	95-140 VAC	12V	50Hz or 60Hz	3.7" x 9.5" x 8"
93-12155SP-A	15	95-140 VAC	12V	50Hz or 60Hz	3.7" x 9.5" x 8"
93-12205SP-A	20	95-140 VAC	12V	50Hz or 60Hz	3.7" x 9.5" x 8"
93-12305SP-A	30	95-140 VAC	12V	50Hz or 60Hz	3.7" x 9.5" x 10.5"
93-12405SP-A	40	95-140 VAC	12V	50Hz or 60Hz	3.7" x 9.5" x 13.25"
93-12505SP-A	50	95-140 VAC	12V	50Hz or 60Hz	3.7" x 9.5" x 15.25"
93-12605SP-A	60	95-140 VAC	12V	50Hz or 60Hz	3.7" x 9.5" x 15.25"
93-12805SP-A	80	95-140 VAC	12V	50Hz or 60Hz	3.7" x 9.5" x 21.5"
93-121005SP-A	100	95-140 VAC	12V	50Hz or 60Hz	3.7" x 9.5" x 21.5"
21-104589-0	Dripshield for 10 to 40 amp 5000 SP Series Models				
93-TEMPPROBE-A	Temperature probe for 30, 80 and 100 amp 5000 SP Series 12V Models				
220 VAC, 50/60 Hz					
9C-12205SPI-A	20	200-240 VAC	12V	50Hz or 60Hz	3.7" x 9.5" x 8"
9C-12305SPI-A	30	200-240 VAC	12V	50Hz or 60Hz	3.7" x 9.5" x 10.5"
9C-12405SPI-A	40	200-240 VAC	12V	50Hz or 60Hz	3.7" x 9.5" x 13.25"
9C-12505SPI-A	50	200-240 VAC	12V	50Hz or 60Hz	3.7" x 9.5" x 15.25"
9C-12605SPI-A	60	200-240 VAC	12V	50Hz or 60Hz	3.7" x 9.5" x 15.25"
9C-12805SPI-A	80	200-240 VAC	12V	50Hz or 60Hz	3.7" x 9.5" x 21.5"
9C-121005SPI-A	100	200-240 VAC	12V	50Hz or 60Hz	3.7" x 9.5" x 21.5"
21-104589-0	Dripshield for 10 to 40 amp 5000 SP Series Models				
93-TEMPPROBE-A	Temperature probe for 30, 80 and 100 amp 5000 SP Series 12V Models				

24 Volt Models

Charles Part Number	Amperage	AC Input Voltage Range	DC Output Voltage Range	Frequency	Dimensions
120 VAC, 50/60 Hz					
93-24105SP-A	10	95-140 VAC	24V	50Hz or 60Hz	3.7" x 9.5" x

					10.5"
93-24205SP-A	20	95-140 VAC	24V	50Hz or 60Hz	3.7" x 9.5" x 13.25"
93-24305SP-A	30	95-140 VAC	24V	50Hz or 60Hz	3.7" x 9.5" x 15.25"
93-24405SP-A	40	95-140 VAC	24V	50Hz or 60Hz	3.7" x 9.5" x 15.25"
93-24505SP-A	50	95-140 VAC	24V	50Hz or 60Hz	3.7" x 9.5" x 21.5"
93-24605SP-A	60	95-140 VAC	24V	50Hz or 60Hz	3.7" x 9.5" x 21.5"
21-104589-0	Dripshield for 10 to 40 amp 5000 SP Series Models				
93-TEMPPROBE-A	Temperature probe for 50 and 60 amp 5000 SP Series 24V Models				
220 VAC, 50/60 Hz					
9C-24155SPI-A	15	200-240 VAC	24V	50Hz or 60Hz	3.7" x 9.5" x 13.25"
9C-24205SPI-A	20	200-240 VAC	24V	50Hz or 60Hz	3.7" x 9.5" x 13.25"
9C-24305SPI-A	30	200-240 VAC	24V	50Hz or 60Hz	3.7" x 9.5" x 15.25"
9C-24405SPI-A	40	200-240 VAC	24V	50Hz or 60Hz	3.7" x 9.5" x 15.25"
9C-24505SPI-A	50	200-240 VAC	24V	50Hz or 60Hz	3.7" x 9.5" x 21.5"
9C-24605SPI-A	60	200-240 VAC	24V	50Hz or 60Hz	3.7" x 9.5" x 21.5"
21-104589-0	Dripshield for 10 to 40 amp 5000 SP Series Models				
93-TEMPPROBE-A	Temperature probe for 50 and 60 amp 5000 SP Series 24V Models				

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