

LIFEBOAT AND RESCUE BOAT ACCESSORIES

SCT-2420-220 Marine Charging Power Supply

ISO9001 Supplier

Class Certificate

Export Supply

How to Choose model: SCT-2420-220 Marine Charging Power Supply: SC series marine power supplies are switch-mode charging power supplies applying high-frequency PWM pulse-duration modulation technology...



Key Highlights

Category	Lifeboat And Rescue Boat Accessories
Standard	DIN
Weight / Size	500Vac/10mA/1 min Insulation resistance $\geq 10M\Omega$ Other Overall dimensions ...
Certificate	CCS, BV, RINA

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications

Category	Lifeboat And Rescue Boat Accessories	Model / SKU	SCT-2420-220-Marine-Charging-Power-Supply
Standard	DIN	Weight / Size	500Vac/10mA/1 min Insulation resistance $\geq 10M\Omega$ Other Overall dimensions 310*190*90mm 410*260*110mm 530*280*230mm Installation dimensions 295*160mm 385*234mm 510*200mm Weight 5Kg 8Kg 25Kg
Certificate	CCS, BV, RINA	Warranty	12 Months unless specified otherwise
Origin	China		

CONTENTS	■ Hpw to Choose model:	■ SCT-2420-220 Marine Charging Power Supply:
	■ Range of input voltage:	■ Model SCT- 2420- 2430- 2440- 2460- 2480- 24100- 24200- Input Input rated voltage (±15%) (220) single-phase 220Vac (230 three-phase 220Vac (330) three-phase 330Vac (430) three-phase 440Vac Input frequency range 45~65Hz Maximum input current 220 6A 220 8.5A 220 9A 220 20A 220 23A 220 25A 220 38A 230 230 230 230 230 230 230 330 < 3A 330 < 4.2A 330 < 5A 330 < 9A 330 < 11A 330 < 13A 330 < 26A 430 430 430 430 430 430 430 Efficiency 85% Out put Output float charge voltage 26.4Vdc Output average charge voltage 28.2Vdc Average and float charge conversion current 1/10 of output current±1A Maximun output current 20±1A 30±1A 40±1A 60±1A 80±1A 100±1A 200±1A Stabilized voltage precision ±1% Output ripple and noise VPP≤500mv Ptotection Output overvoltage protection 30±1Vdc Output undervoltage alarm 21±1Vdc Overheat protection 85±5°C (Temperature inside the machine) Output short circuit protection The device is free from damage after short circuit and antomatically recovers after the removal of short circuit Function Output Alarm port The relay completes contact action when input poer supply is normal and the device works The relay resets in the case of device fault(maximum contact voltage and current 32V 1A) Enviroment Operating temperature 0°C~+55°C Storage temperature -10°C~+70°C Relative temperature ≤95% of salt mist, oil mist and mold Heat emission method Air Cooling Atmospheric pressure 86kPa~106kPa Safety Regulation Dielectric strength Input single-phase and three-phase 220Vac Input three-phase and three-phase 220Vac Input to output: 1500Vac/10mA/1 min Input to output: 2500Vac/10mA/1 min Input to the ground: 1500Vac/10mA/1 min Input to the ground: 1500Vac/10mA/1 min Output to the ground: 500Vac/10mA/1 min Output to the ground: 500Vac/10mA/1 min Insulation resistance ≥10MΩ Other Overall dimnensions 310*190*90mm 410*260*110mm 530*280*230mm Installation dimensions 295*160mm 385*234mm 510*200mm Weight 5Kg 8Kg 25Kg

Hpww to Choose model:

SCT - 2460 - 222X

船用直流产品
Marine DC products

系列
Series

T 充电器
T chargers

S 整流器
S rectifiers

输出DC电压
Output DC voltage

输出电流
Output current

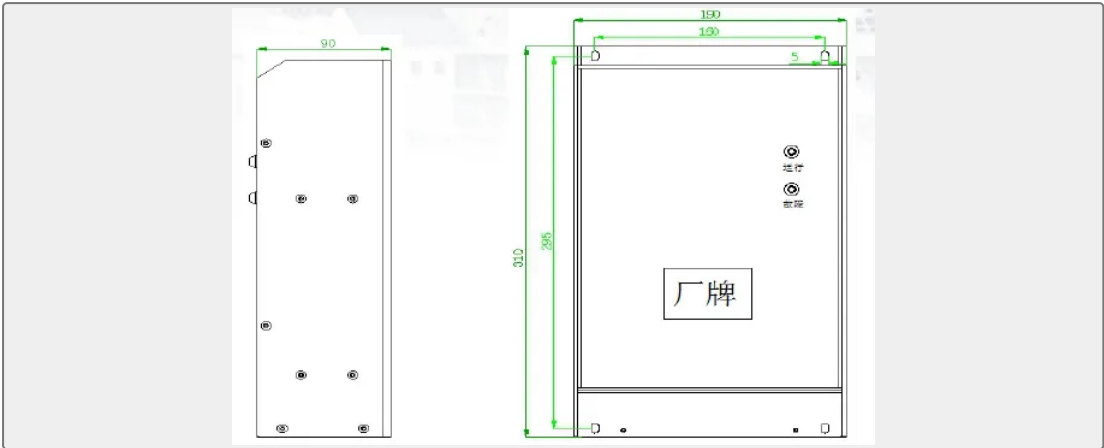
后缀说明
Explanation for suffixes

DC12V	2A、5A	第1位数字表示输入电压等级: The 1st digit represents input voltage grade: 1表示AC110V 2表示AC220V 3表示AC380V 4表示AC440V 1 represents AC110V 2 represents AC220V 3 represents AC380V 4 represents AC440V
DC24V	10A、20A、30A	第2位数字表示输入相数等级: The 2nd digit represents the grade of input phase number: 1 represents single phase 2 represents three phase
DC48V	40A、60A、80A	第3位数字表示外壳防护等级: The 3rd digit represents shell protection grade: 0表示IP20 2表示IP22
DC110V	100A、125A	第4位代码表示产品识别码,工厂内部使用,客户不需参考 The 4th code represents product identification number. Used in the factory, it does not serve as a reference for customers.
DC220V	160A、200A	

SCT-2420-220 Marine Charging Power Supply:

SC series marine power supplies are switch-mode charging power supplies applying high-frequency PWM pulse-duration modulation technology and mainly composed of IGBT, fieleffect power tube and integrated PWM controller. The complete machine adoptsintelligent cooling.The reliable operation of power supplies can be ensured even in the hottest cabin. Power supplies meet all specifications and rules of China Classification Society, comply with the basic

standards of marineelectric andspecifications, pass Type Approval of China Classification Society.and accord with the relevant regulations of GB7061 -98 General Specification for Low-Voltage Switchgear and Controlgear Assemblies in Ships "GB /T14548 93 General Specification for Marine Semiconductor Convertors and Rules for Classification of Sea-going Seel Ships



Range of input voltage:

Range of Voltage Input" indicated in the product manual refers to the range of normal operating voltage under the condition of ensuring all performance indicators of power supplies. The power module will encounter unstable performance or be damaged if input voltage exceeds this range.This kind of phenomena should be avoided.

Output power and heat emission conditions:

The output power of power supplies refers to output power in the case of meeting certain heat emission conditions. Maximum operating temperature generally refers to maximum ambient temperature (or shell temperature) under the condition of leaving enough heat emission space (Air inlet and outlet have a space of no less than 200mm) around power supplies and ensuring the performance indicators of power supplies. Forced ventilation should be applied to the installation environment when necessary.

In general, the ambient operating temperature of power supplies in the absence of heat emission is 20 to 40°C lower than the normal maximum operating temperature of power supplies, which depends on season and output power of power supplies. When using products, customers are advised to adopt the method of corresponding derating according to output power and heat emission conditions to prolong the service life of products.

Model SCT-			2420-		2430-		2440-		2460-		2480-		24100-		24200-	
Input	Input rated voltage (±15%)		(220) single-phase 220Vac (230 three-phase 220Vac (330) three-phase 330Vac (430) three-phase 440Vac													
	Input frequency range		45~65Hz													
	Maximum input current		22 0	6A	22 0	8.5A	22 0	9A	22 0	20 A	22 0	23A	22 0	25A	22 0	38A
			23 0		23 0		23 0		23 0		23 0		23 0			
			33 0	< 3A	33 0	< 4.2A	33 0	< 5A	33 0	< 9A	33 0	< 11A	33 0	< 13A	33 0	< 26A
			43 0		43 0		43 0		43 0		43 0		43 0		43 0	
Efficiency		85%														

Out put	Output float charge voltage	26.4Vdc						
	Output average charge voltage	28.2Vdc						
	Average and float charge conversion current	1/10 of output current±1A						
	Maximun output current	20±1A	30±1A	40±1A	60±1A	80±1A	100±1A	200±1A
	Stabilized voltage precision	±1%						
	Output ripple and noise	VPP≤500mv						
Ptotection	Output overvoltage protection	30±1Vdc						
	Output undervoltage alarm	21±1Vdc						
	Overheat protection	85±5℃ (Temperature inside the machine)						
	Output short circuit protection	The device is free from damage after short circuit and antomatically recovers after the removal of short circuit						
Funci on	Output Alarm port	The relay completes contact action when input poer supply is normal and the device works The relay resets in the case of device fault(maximum contact voltage and current 32V 1A)						
Enviro ment	Operating temperature	0℃~+55℃						
	Storage temperature	-10℃~+70℃						
	Relative temperature	≤95% of salt mist, oil mist and mold						
	Heat emission method	Air Cooling						
	Atmospheric pressure	86kPa~106kPa						
Safety Regula tion	Dielectric strength	Input single-phase and three-phase 220Vac			Input three-phase and three-phase 220Vac			
		Input to output: 1500Vac/10mA/1 min			Input to output: 2500Vac/10mA/1 min			
		Input to the ground: 1500Vac/10mA/1 min			Input to the ground: 1500Vac/10mA/1 min			
		Output to the ground: 500Vac/10mA/1 min			Output to the ground: 500Vac/10mA/1 min			
	Insulation resistance	≥10MΩ						
Other	Overall dimnensions	310*190*90mm		410*260*110mm		530*280*230mm		
	Installation dimensions	295*160mm		385*234mm		510*200mm		
	Weight	5Kg		8Kg		25Kg		