

Power Supply cum Battery Charger with Auto Switchover CSG 1210

PARAMETERS	SPECIFICATIONS
AC Input Voltage Range	170 - 270 V AC, 1 Φ
Output Specifications	
DC Output Voltage	13.75 V DC
DC Output Current – Equipment	10.0 A
DC Output Current – Battery	5.0 A
Output Ripple (P-P) Max.	< 1 %
Output Voltage Regulation	$\leq \pm 2$ %
Efficiency at Full Load	85 %
Approx. Dimensions (H x W x D)	88 x 190 x 195 mm
Approx. Weight	1.9 kg
Indications	
Green LED Mains ON	When AC is Available
Yellow LED Battery ON	When Battery is Supplying Power to the Radio
Red LED Battery Low	When Battery Voltage is less than 11.4 V
Environmental	
Operating Temperature	0 °C - 50 °C
Humidity	5 % to 95 % Non-Condensing
Safety & EMI	
Safety	CE Approved, Designed to meet IEC - 1950
EMI	FCC Class - B / CISPR22
Protections	
Output Over Voltage	PSU Trips on Over Voltage Condition
Output Over Load End	Output Folds Back on Over Load
Short Circuit	Goes to Hick-up Mode on Short Circuit
Battery Rev. Polarity	PSU Protected Through External Fuse



WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT

Power Supply cum Battery Charger with Auto Switchover CSG 1215

PARAMETERS	SPECIFICATIONS
AC Input Voltage Range	170 - 270 V AC, 1 Φ
Output Specifications	
DC Output Voltage	13.75 VDC
DC Output Current – Equipment	15.0 A
DC Output Current – Battery	7.0 A
Output Ripple (P-P) Max.	< 1 %
Output Voltage Regulation	$\leq \pm 2$ %
Efficiency at Full Load	85 %
Approx. Dimensions (H x W x D)	88 x 190 x 195 mm
Approx. Weight	1.9 kg
Indications	
Green LED Mains ON	When AC is Available
Yellow LED Battery ON	When Battery is Supplying Power to the Radio
Red LED Battery Low	When Battery Voltage is less than 11.4 V
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Producture Picture :



Product Picture with Digital Display :



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AC-DC SMPS

MODEL NO. : CSG 1220

Input Characteristics :

Input Voltage	180 – 265V AC
Input Frequency	45 – 60Hz
Input Connector	3-Pin screw type connector
Indication	Input OK – Yellow colour LED
Input Protections	a) 4 Amp, 20mm fast blow, glass fuse. b) MOV, for input over voltage protection
Filter	EMI/RFI

Output Characteristics :

Output Voltage	12.0 ~ 15.0 VDC
Output Current	20.0Amps
Max Output Power	300W
Output Connectors	Two 2-Pin screw type connectors
Output Indications	a) Output Ok - Green Colour LED b) OVP - Red Colour LED
Output Protection	Over Voltage Protection.
Short Circuit Protection	Provided
Line Regulation	<+/-0.5%
Load Regulation	<+/-0.5%
Ripple and Noise	<+/- 1% peak- peak

Environmental Characteristics :

Operating Temperature	55°C at Full Load 70°C at 60% load
Cooling	Forced air cooling with inside fan
Maximum Temperature rise	55 °C
Relative Humidity	95% Non condensing

General Characteristics :

Efficiency	>70%
Hold Time	>20mSec on full load
Dimension (L x W x H) mm	187 x 124 x 90
Weight Approx.	1.41 Kg
Mounting	Panel / Rack Mounting
Power / Unit Volume	0.14 W / cu.cm



WE ALSO UNDERTAKE DESIGNS AS PER YOUR REQUIREMENT

Power Supply with Auto Switch over To Battery CSG 2410

Input Characteristics:

Input Voltage	180 – 265 V AC
Input Frequency	45 – 60 Hz
Input Connector	3 Pin IEC Socket
Indication	Input OK – Green color LED
Input Protections	a) 4 A, 20 mm Fast Blow, Glass Fuse b) MOV, for Input Over Voltage Protection
Filter	EMI / RFI

Output Characteristics:

Output Voltage	24 V DC (Adjustable Range : 22.5 V DC – 30.0 V DC)
Output Current	10 A
Max. Output Power	250 W
Output Connectors	Heavy Duty Terminal
Output Indications	a) Output OK - Green Color LED b) Battery OK - Red Color LED
Output Protection	Over Voltage and Over Current Protection
Short Circuit Protection	Provided
Line Regulation	< +/-0.2 %
Load Regulation	< +/-0.2 %
Ripple and Noise	< +/-1 % peak- peak

Environmental Characteristics:

Operating Temperature	55 °C at Full Load & 70 °C at 60 % Load
Cooling	Forced Air Cooling with Inside Fan
Relative Humidity	95 % Non Condensing

General Characteristics:

Efficiency	> 70 %
Hold Time	> 20 msec on Full Load
Dimensions (L x W x H) mm	195 x 130 x 100 (Height with Feet)
Weight Approx.	2.2 kg
Mounting	Panel / Rack Mounting



WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT

Power Supply with Auto Switch over To Battery CSG 2420

Input Characteristics:

Input Voltage	180 – 265 V AC
Input Frequency	45 – 60 Hz
Input Connector	3 Pin IEC Socket
Indication	Input OK – Green Color LED
Input Protections	a) 5 A, 20 mm Fast Blow, Glass Fuse b) MOV, for Input Over Voltage Protection
Filter	EMI / RFI

Output Characteristics:

Output Voltage	24 V DC (Adjustable Range : 22.5 V DC – 30.0 V DC)
Output Current	20 A
Max. Output Power	500 W
Output Connectors	Heavy Duty Terminal
Output Indications	a) Output OK - Green Color LED b) Battery OK - Red Color LED
Output Protection	Over Voltage Protection
Short Circuit Protection	Provided
Line Regulation	< +/-0.2 %
Load Regulation	< +/-0.2 %
Ripple and Noise	< +/-1 % peak- peak

Environmental Characteristics:

Operating Temperature	55 °C at Full Load & 70 °C at 60% Load
Cooling	Forced Air Cooling with Inside Fan
Relative Humidity	95 % Non Condensing

General Characteristics:

Efficiency	> 70 %
Hold Time	> 20 msec on Full Load
Dimensions (L x W x H) mm	235 x 242 x 115 (Height with Feet)
Weight Approx.	2.8 kg
Mounting	Panel / Rack Mounting



WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT

Power Supply with Auto Switch over To Battery

CSG 2425

Input Characteristics:

Input Voltage	180 – 265 V AC
Input Frequency	45 – 60 Hz
Input Connector	3 Pin IEC Socket
Indication	Input OK – Green Color LED
Input Protections	a) 5 A, 20 mm Fast Blow, Glass Fuse b) MOV, for Input Over Voltage Protection
Filter	EMI / RFI

Output Characteristics:

Output Voltage	24 V DC (Adjustable Range : 24.0 V DC – 30.0 V DC)
Output Current	25 A
Max. Output Power	600 W
Output Connectors	Heavy Duty Terminal
Output Indications	a) Output Ok - Green Color LED b) Battery Ok - Red Color LED
Output Protection	Over Voltage and Over Current Protection
Short Circuit Protection	Provided
Line Regulation	< +/-0.2 %
Load Regulation	< +/-0.2 %
Ripple and Noise	< +/-1 % peak- peak

Environmental Characteristics:

Operating Temperature	55 °C at Full Load & 70 °C at 60% Load
Maximum Temperature	50 °C
Cooling	Forced Air Cooling with Inside Fan
Relative Humidity	95 % Non Condensing

General Characteristics:

Efficiency	> 70 %
Hold Time	> 20 msec on Full Load
Dimensions (L x W x H) mm	235 x 242 x 115 (Height with Feet)
Weight Approx.	2.8 kg
Mounting	Panel / Rack Mounting



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