

Power Supply cum Battery Charger

CSG 1215 DR (Analogue Display)

PARAMETERS	SPECIFICATIONS
AC Input Voltage Range	170 - 270 V AC, Single Phase
Input Frequency	50Hz \pm 3Hz
Efficiency at Full Load	\geq 80 %
Output Specifications	
DC Output Voltage	13.80 VDC \pm 0.1V
DC Output Current – Equipment	15.0 Amps
DC Output Current – Battery	7.0 Amps
Output Ripple (P-P) Max.	< 1 %
Output Voltage Regulation	$\leq \pm 2$ %
Output Voltage Adjustment	12.0V – 14.20VDC
Battery Deep Discharge Cut-Off	10.60V \pm 0.2V
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 Reverse Polarity	PSU protected through External Fuse
Indications	
Green LED Mains ON	When AC is available
Yellow LED Battery ON	When Battery is supplying Power to the Radio
Red LED ON With Audio Alarm	When Battery Voltage is less than 11.8 V
Red LED ON	When Battery is Reverse Polarity Connected
Analogue Meter Display	Voltmeter (Output DC voltage) and Ammeter (Switch control to read either Load OR Battery Current)
Environmental	
Approx. Dimensions (L X W X H)	445 x 230 x 100 mm
Approx. Weight	4.0 kg
Operating Temperature	0°C - 50°C
Humidity	Operating 5 % RH to 85 % RH Non-Condensing
Storage	5 % RH to 95 % RH Non-Condensing
Safety & EMI	
Safety	CE Approved, Designed to meet IEC – 1950
EMI	FCC Class - B / CISPR22



WE ALSO UNDERTAKE DESIGNS PER YOUR REQUIREMENT



19" Rack Mount Duplexer Cum PSU CSG 1215 SDR

CSG 1215 SDR is a Combo unit providing advantages of 19 inch rack configuration housing both 50 Watt Duplexer (VHF / UHF band) and 15 Amp Power supply in single shelf, 2U high.



FRONT VIEW



REAR VIEW

The cable entry to Duplexer and to Power Supply is from the rear side.



Power Supply cum Battery Charger With Auto Switchover

PARAMETERS	SPECIFICATIONS
AC Input Voltage Range	170 - 270 V AC, 1 Φ
Input Frequency	50 ~ 60 Hz
Output Specifications	
DC Output Voltage	13.5 V DC
DC Output Current – Equipment	15.0 Amp.
DC Output Current– Battery	7.0 Amp.
Output Ripple (P-P) Max.	< 1 %
Output Voltage Regulation	$\leq \pm 2$ %
Efficiency at Full Load	85 %
Approx. Dimensions (H x W x D)	89 x 483 x 200 mm
Approx. Weight	4.800 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	Output Folds Back on Over Load
Short Circuit	Goes to Hick-up Mode on Short Circuit
Battery Reverse Polarity	PSU Protected Through External Fuse

Band Reject Notch Type Mobile Duplexer 50 Watt Continuous UHF Band CSG 2440 NX

PARAMETERS	SPECIFICATIONS
Frequency Range	400 ~ 500 MHz
Frequency Separation	5 / 10 MHz
Insertion Loss	≤ 1.3 dB
Isolation	≥ 75 dB for Tx - Rx, 5.0 MHz ≥ 75 dB for Tx - Rx, 10.0 MHz
Return Loss	≥ 18 dB
Power Rating	50 Watt
Connectors	N-Female
Dimensions Approx.(H x W x D)	32 x 155 x 220 mm
Weight (Approx.)	1.20 kg
Operating Humidity	5 % ~ 95 %
Operating Temperature	-25 °C ~ +60 °C





Band Reject Notch Type Mobile Duplexer 50 Watt Continuous VHF Band CSG 2150 NX

PARAMETERS	SPECIFICATIONS
Frequency Range	136 ~ 174 MHz
Frequency Separation	5.0 MHz
Insertion Loss	≤1.2 dB
Isolation	≥75 dB
Return Loss	≥18 dB
Connectors	N-Female
Power Rating	50 Watt
Dimensions Approx.(H x W x D)	32 x 155 x 198 mm
Weight (Approx.)	1.0 kg



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19" Rackmount Power Supply CSG 1215 SR

CSG 1215 SR is 19" Rackmount Power Supply cum Battery charger with auto switchover housing 15 Amp Power supply in single shelf, 2U height with Digital LED display.



FRONT VIEW



REAR VIEW

Power Supply cum Battery Charger With Auto Switchover

PARAMETERS	SPECIFICATIONS
AC Input Voltage Range	170 – 270 V AC, 1 Φ
Input Frequency	50 ~ 60 Hz
Output Specifications	
DC Output Voltage	13.75 V DC
DC Output Current – Equipment	15.0 Amp.
DC Output Current– Battery	7.0 Amp.
Output Ripple (P-P) Max.	< 1 %
Output Voltage Regulation	$\leq \pm 2$ %
Efficiency at Full Load	85 %
Indications / Displays	
Digital LED display	Displays DC Output Voltage
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	Output Folds Back on Over Load
Short Circuit	Goes to Hick-up Mode on Short Circuit
Battery Reverse Polarity	PSU Protected Through External Fuse
Dimensions & Weight	
Approx. Dimensions (H x W x D)	89 x 483 x 200 mm
Approx. Weight	3.600 kg

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19" Rack Mount Dual Power Supply

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CSG 1215 DR

PARAMETERS	SPECIFICATIONS
AC Input Voltage Range	170 - 270 V AC, 1Φ
Input Frequency	50 ~ 60 Hz
Output Specifications	
DC Output Voltage	13.75 V DC
DC Output Current – Equipment	15.0 Amp.
DC Output Current– Battery	7.0 Amp.
Output Ripple (P-P) Max.	< 1 %
Output Voltage Regulation	≤ ±2 %
Efficiency at Full Load	85 %
Approx. Dimensions (H x W x D)	89 x 483 x 200 mm (With Heat Sink)
Approx. Weight	4.800 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	Output Folds Back on Over Load
Short Circuit	Goes to Hick-up Mode on Short Circuit
Battery Reverse Polarity	PSU Protected Through External Fuse

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