

NEOGI[®]

An IMS Certified Organisation
(ISO 9001:2015, ISO 14001 : 2015,
BS 18001 : 2007), CRISIL Rated and
ZED Rated- 'Gold'



Presents BDS - 12 (DC Source)



BDS - 12

Suitable, power supply is the life blood of electrical and electronic equipments. Quality of products, function, efficiency and reliability is the concern of all customers. NEOGI (Neogi Technologies And Research (P) Ltd) – backed by 48 years of experience as quality manufacturers in Mechanical, Electrical and Electronic Fuel Flow Meter, Pumps, Motor and Mobile Fuel Dispenser, now presents significant breakthrough in newly developed AC to DC Converter BDS-12 higher performance. The BDS-12 series AC 160-270V input single out put 12V full digital control (fixed) DC source.

Application :

All BLDC Motor and DC power (12V) operated equipment LED based systems can run through AC power.

PRODUCT INTRODUCTION

DC power source is designed to be used in applications such as powering BLDC motor where constant voltage and constant current is required where independent power supply housed in a single package represent an operating convenience. The instruments consist of approved components with high reliability driver constant for controlling DC source. A front panel consists two Digital Panel Meters for current and voltage display for monitoring exact value of voltage and current consumed by load up to 12V and 29A.

Power supply is a completely Controller based, well-regulated, constant voltage /constant current supply that will furnish full rated output voltage at the maximum output current. The front panel current controls can be used to establish the output current limit (overload or short circuit) Another feature of this instrument is its output ON/OFF key. Dimensions: ... (W)H1... (H)H.... (D) mm, Weight: Approx.8kg.

Operation Mode :

AC input :

AC input voltage range: 160-270V | AC input Nominal: 230VAC

AC input frequency: 50Hz | AC input current: 5A maximum

Switching Technology : PWM Controlled

DC Output :

DC output Voltage: 12VDC (Fixed) | DC Output current: 29A +/- 0.5A

Peak Efficiency >90%

Output Voltage tolerance : +/- 0.05V, Ripple <1%

Regulation Line Regulation : 0.01%+5mV., Load Regulation : 300mV < 750mV

Protection :

Output Overload : Current limit by internal Circuit | Output Short Circuit: protected by internal circuit

Over Voltage : Shutdown and restore after reset | Over temperature: Thermal shutdown

No load power Consumption : 0.2W~0.75W

Operating temperature:70°C Operation Operating altitude up to 5000 meters

Complete safety certificates : IEC/EN60335-1(PD3), IEC/EN61558-1, -2-16; IEC/EN/UL60950-1 and GB4943

Caution : Keep away from water

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