

SMPS / DC - DC CONVERTERS



SALIENT FEATURES

- State-of-the-art current mode PWM control, > 50 KHz switching frequency
- MOSFETs & UFR diodes used – increases reliability & efficiency
- Compact, light weight, very efficient saving valuable & costly power
- All I/O connection are available on screw terminals

INPUT

- 1 phase ac or 3 phase ac or DC input
- On board EMI/RFI filter
- Fuse protection
- Soft start, inrush current limit
- Wide input range
- INPUT ranges:
AC = 90-270V up to 50 W DC = 9-15V or 20-60V or 90-270V or
90-135V or 180-270V 90-135V or 180-270V

OUTPUT

- Standard outputs : 5V,12V, 24V, 48V, 110V
1A, 2A, 5A, 10A, 20A, 30A, 50A
- Line & Load regulation < $\pm 0.5\%$
- Ripple & noise < $\pm 1\%$ (p-p)
- O/P protection – S/C, O/L, OVP
- LED status indicator
- Precise current limit with CVCC Characteristics
- I/O isolation – 2KV/4KV
- Upto 50 deg. C ambient

OPTIONAL FEATURES

- DIL Rail mounting
- Over Temperature Protection
- Potential Free Contact --ALARM contact
- Remote Control --ON/OFF
- Programmable SMPS --Vo & / Io can be programmed by external control voltage (0-10 v)
- Redundant (N+1) operation
- Units can be directly paralleled with forced current sharing
- For heavy inductive load CC down to S/C
- SMPS with Voltage & Current meter



APPLICATION OF SMPS / DC DC CONVERTER

- Machinery manufacturers – CNC machine, Plastic moulding Machine, LASER machine
- Automation system.- PLC systems
- Medical equipments
- Telecommunication application
- Process control industry
- EPABX
- Control panel builders
- Halogen lamp application
- Various industrial equipment, where regulated DC source is required
- Fire alarm system

