

DS POWER U1

15-250kVA

3-Level Technology

IGBT Rectifier

DSP Control



DS Power U1 On-Line UPS uses the latest DSP technology to be programmed to suit a wide variety of electrical environments without impeding its performance. With the 3-Level topology, efficiency, reliability and functionality have been raised to levels unattainable with legacy. This technology does not only create significant increase in MTBF, but the DSP's ability to accurately process signals at very high speed allows all the UPS subsystems to be controlled with greatly increased precision.

GENERAL SPECIFICATIONS

- Transformerless UPS technology
- Modular control structure by 3 DSP
- Separate main control boards for rectifier and inverter
- 3-Level technology and fully digital structure
- Less electronic components and SMD technology
- Low input current total harmonic distortion (THDI)
- High input power factor
- High efficiency up to 95%
- Selectable input/output voltage/frequency range
- True double conversion
- Static and maintenance by-pass switch
- High charging current capacity
- ECO mode operation (optional)
- Split bypass input (dual inputs)
- Advance TFT front panel
- Manufactured according to IEC Directive; EN62040
- Conformity for CE, TSE and GOST standards
- ISO9001, ISO14001 compliant production
- Advance control at the input side
- Temperature compensated charge system (optional)
- Output current limitation
- Output DC leakage protection
- 3 level battery protection
- Output short circuit and overload protection
- External REPO switch input
- 512 events memory (512 events 46000 alarms)
- Clock and calendar (battery supported)
- Automatic battery test, remaining battery time indicator
- 2 RS232 serial ports and 4 dry contact outputs
- Optional 12 dry contact output
- Optional SNMP, MODBUS and Remote Monitoring Panel
- Monitoring device operating parameters and advanced diagnostics
- Advance remote control features
- User and central service passwords protected security
- 2 years warranty

