

DRS-54V

Power Shelf
-54.0VDC / 55A Output

Product Features:

- 1RU Height, 19" 3KW Power Shelf
- Easy Installation; Wiring for AC and DC
- Control Module for Monitoring, Alarms
- Remote Access via Ethernet (TCP/IP)
- SNMP Interface
- RS-232 Serial Interface
- International Safety Approvals



Input Specifications:

VOLTAGE	1Ø220VAC (176VAC ~ 264VAC)
FREQUENCY	47-63Hz
INRUSH	20A @ 220VAC(Max Cold Start) per Module
CURRENT	7.5A @ 220VAC(Max Continuous) per Module
PROTECTION	Double pole 10A Fuse / 250VAC per Module
LEAKAGE	1.0mA Max @ 264VAC per Module
EFFICIENCY	92% Typical
HARMONICS	EN61000-3-2 Class D Compliant (>98PF)
PROTECTION	Input Under voltage, Overvoltage

Output Specifications:

Vout	-54.0VDC
Iout	55Amax with 3Module(18.5A/Module)
ADJUSTMENT RANGE	-46VDC~-58VDC
LINE REGULATION	±0.5% Max over entire input range
LOAD REGULATION	±0.5% Maximum
TEMP REGULATION	±0.5% Maximum
RIPPLE	≤ 250mVp-p(10Hz~14MHz)
SETPOINT ACCURACY	±0.5%
OVER CURRENT	105~120%
OVER VOLTAGE	-59VDC(recycle input to reset)
PROTECTION	Thermal Shutdown Battery Temp. Compensation

Status & Control signals:

COMMUNICATION	High Signal indicates DC Output is on and within regulation
INTERFACE	RS232, SNMP

General Specifications:

OPERATING TEMP	-20°C to +65°C
STORAGE TEMP	-40°C to +85°C
OPERATING HUMIDITY	10% to 90% (Non-Condensing)
STORAGE HUMIDITY	5% to 95% (Non-Condensing)
COOLING	Convection cooling
VIBRATION	10-55Hz, 2G, 3min period/60 min each(3 axes)
SHOCK	20G Peak Acceleration
RELIABILITY	150,000 Hrs MTBF
ALTITUDE	0~10,000 Feet
SIZE(W×D×H)	482.6 × 359.4×44mm(1U)

Electromagnetic Compatibility:

EMISSIONS	EN55022 Level A (Conducted)
ELECTROSTATIC DISCHARGE	EN61000-4-2, 4KV Contact / 8KV Air
RADIATED SUSCEPTIBILITY	EN61000-4-3, 26-1000MHz, 10V/M, 80%AM
EFT/BURSTS	EN61000-4-4, 2KV
SURGE	EN61000-4-5
CONDUCTED IMMUNITY	EN61000-4-6, 0.15-800MHz, 10V 80%
VOLTAGE DIPS	EN61000-4-10, 95% Dip&10ms, 30% Dip&500ms
VOLTAGE INTERRUPTIONS	EN61000-4-11, 95% reduction, 5ms
FLUCTUATIONS & FLICKER	EN61000-3-3

Standards & Approvals:TBD

UL/CUL	60950-1
CE MARK	Low Voltage Directive
CB	EN60950-1/IEC60950-1

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Outline Drawing:

