

DORS-235S

Outdoor Power Cabinet with Battery Shelf
27.0VDC / 35A Output

Product Features:

- Wall or Pole Mount Type
- Battery Charger and Monitor
- Full Featured Status and Alarms
- LED Alarm Indicators
- Fan Cooling Type



Input Specifications:

VOLTAGE	1Ø220VAC (±20%)
FREQUENCY	47-63Hz
INRUSH	50A @ 220VAC
CURRENT	4.2A @ 220VAC(Max Continuous)
PROTECTION	Double pole 25A Fuse / 250VAC
LEAKAGE	3.5mA Max @ 220VAC
EFFICIENCY	88% Typical
HARMONICS	EN61000-3-2 Class D Compliant (>98PF)
PROTECTION	Input Under-voltage Alarm, Over-voltage Alarm

General Specifications:

OPERATING TEMP	-30 °C to +50 °C
STORAGE TEMP	-40 °C to +75 °C
OPERATING HUMIDITY	10% to 90% (Non-Condensing)
STORAGE HUMIDITY	5% to 95% (Non-Condensing)
COOLING	Fan cooling
VIBRATION	100-500Hz, 2G, 0.25 oct/min
SHOCK	3G Peak Acceleration
RELIABILITY	100,000 Hrs MTBF
SIZE(W×D×H)	506 × 220 × 720mm

Output Specifications:

Vout	27.0VDC
Iout	35Amax
ADJUSTMENT RANGE	-26VDC~-29VDC
LINE REGULATION	±1.0% Max over entire input range
LOAD REGULATION	±1.0% Maximum
TEMP REGULATION	±1.0% Maximum
RIPPLE	≤ 250mVp-p(10Hz~14MHz)
SETPOINT ACCURACY	±1.0%
OVER CURRENT	105~130%
OVER VOLTAGE	29.5VDC(recycle input to reset)
PROTECTION	Battery Temp. Compensation Battery Over Discharge

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

Status & Control signals:

COMMUNICATION	PSU DEBUG, UDP
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Standards: TBD

UL/CUL	60950-1
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Approvals

KC	KN22/24
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