

**Outdoor Power Cabinet with Battery Shelf**  
**+27.0VDC / 20A Output**

# DORS-220S

## Product Features:

- Wall or Pole Mount Type
- Battery Charger and Monitor
- Full Featured Status and Alarms
- UDP(Ethernet)
- IP55 Grade



## Input Specifications:

VOLTAGE	1 $\phi$ 220VAC ( $\pm$ 20%)
FREQUENCY	47-63Hz
INRUSH	40A @ 220AVC(Max Cold Start)
CURRENT	3.0A @ 220VAC(Max Continuous)
PROTECTION	Double pole 10A Fuse / 250VAC
LEAKAGE	3.0mA Max @ 264VAC per Module
EFFICIENCY	88% Typical
HARMONICS	EN61000-3-2 Class D Compliant (>95PF)
PROTECTION	Input Under voltage, Overvoltage

## General Specifications:

OPERATING TEMP	-30 $^{\circ}$ C to +50 $^{\circ}$ C
STORAGE TEMP	-40 $^{\circ}$ C to +85 $^{\circ}$ C
OPERATING HUMIDITY	5% to 95% (Non-Condensing)
STORAGE HUMIDITY	5% to 95% (Non-Condensing)
COOLING	Convection cooling
VIBRATION	10-55Hz, 2G, 3min period/60 min each(3 axes)
RELIABILITY	150,000 Hrs MTBF
ALTITUDE	0~10,000 Feet
SIZE(W $\times$ D $\times$ H)	320 $\times$ 200 $\times$ 630mm

## Output Specifications:

Vout	+27.0VDC
Iout	20Amax
ADJUSTMENT RANGE	+21VDC~+30VDC
LINE REGULATION	$\pm$ 5.0% Max over entire input range
LOAD REGULATION	$\pm$ 5.0% Maximum
TEMP REGULATION	$\pm$ 1.0% Maximum
RIPPLE	$\leq$ 250mVp-p(10Hz~14MHz)
SETPOINT ACCURACY	$\pm$ 1.0%
OVER CURRENT	105~130%
OVER VOLTAGE	+31.0VDC(recycle input to reset)
PROTECTION	Thermal Shutdown Battery Temperature Compensation

## Electromagnetic Compatibility:

EMISSIONS	EN55022 Level A (Conducted)
ELECTROSTATIC DISCHARGE	EN61000-4-2, 8KV Contact / 15KV 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 INTERFACE	UDP(Ethernet)
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## Standards & Approvals: TBD

UL/CUL	60950-1
CE MARK	Low Voltage Directive
TELCORDIA	Nebs Compliant (Level3)

