Small Cell Power Series Outdoor Power Cabinet DORS 430K
30 A 54 Vdc 220 Vac


Wall mounted IP 55 cabinet with battery shelf and outdoor rectifier.

FEATURES

High efficiency
Efficiency up to 90%

Wide input voltage range
176 - 264 Vac 1Ph

High operating temperature range
Operating -30° to +50° C
Reliable convection cooling

Compact Outdoor Cabinet
Wall mount IP 55 enclosure
Shelf space for 4 x 18 Ah batteries
AC utility outlet
**SPECIFICATIONS**

### AC Input
- **Nominal**: 220 Vac 1 ph
- **Range**: 176 - 264 Vac
- **Frequency**: 57 - 63 Hz
- **Inrush**: 50 A at nominal input (max cold start)
- **Leakage**: 3.0 mA at 220 Vac
- **Efficiency**: Up to 90%
- **Input protection**: Double pole 15 A fuse / 250 Vac

### DC Output
- **Nominal voltage**: 53.3 Vdc
- **Adjustment range**: 42.0 - 58.0 Vdc
- **Output current**: 30 A max
- **Line regulation**: ± 1.0% Max over entire input range
- **Load regulation**: ± 1.0% Max
- **Temperature regulation**: ± 1.0% Max
- **Ripple and noise**: ≤250 mv, p-p, (10 Hz - 14 MHz)
- **Over current**: 105 - 130%
- **Output projection**: Overvoltage ≤ 57.5 Vdc (recycle input to reset), thermal shutdown, battery temperature compensation

### Battery
- **Configuration**: 4 x 12V 18 AH (not included)

### General Specifications
- **MTBF**: 100,000 hours
- **Operating temp**: -30° to +50° C
- **Storage temp**: -40° to +75° C
- **Humidity**: 10 - 90% non-condensing
- **Cooling**: Convection cooling
- **Altitude**: 2,000 m
- **Enclosure**: 645 x 400 x 245 mm
- **Interface**: GUI, input dry contact, alarm

### Standards
- **Electrical safety**: IEC 60950-1, UL 60950-1
- **EMC**:
  - EN 55022 Class A (conducted)
  - IEC 61000-4-2 (electrostatic discharge)
  - IEC 61000-4-3 (radiated immunity)
  - IEC 61000-4-4 (fast transients)
  - IEC 61000-4-5 (surge immunity)
  - IEC 61000-4-6 (conducted immunity)
  - IEC 61000-4-10 (voltage dips)
  - IEC 61000-4-11 (voltage interruptions)
- **Harmonics**: EN 61000-3-2 Class D
- **Enclosure**: IP 55