

# Power Supply AC/DC Converter

## DORS-430S (-54.0V/30A)

### HIGHLIGHTS

- Low voltage disconnect for the battery protection
- Over current, short, Surge protection
- Natural air convection cooling
- Automatic battery charging  
(Floating mode with temperature compensation)



### GENERAL SPECIFICATIONS

#### INPUT

- AC Input voltage .....1Ø3W 220Vac
- Frequency..... 60Hz±5%
- Efficiency.....  $\geq 88\%$ (@100% Load)
- Power Factor.....  $\geq 98\%$ (@100% Load)
- Leakage .....  $\leq 3.0\text{mA}$  (@220Vac input)

#### OUTPUT

- Vout.....Default -54.0VDC
- Adjustment Range.....-46DC ~ -57VDC
- Iout.....Max. 30A
- Ripple & Noise .....  $\leq 250\text{mVp-p}$

### PHYSICAL DIMENSION(W×D×H ; mm)

- Dimension(W x D x H) .....400 × 245 × 600

### FUNCTION

- Input Low & High Voltage Protection
- Output Over Voltage Protection
- Output Over Current Protection (100%~130%)
- Output Short Protection
- Battery Low Voltage Disconnect
- Battery temp. Compensation
- Surge Protection 6KV(1.2×50 $\mu\text{s}$ ), 3KA(8 × 20 $\mu\text{s}$ )

### ENVIRONMENT

- ※ Operation
  - Operation Temperature.....-30°C ~ +50 °C
  - Relative Humidity ..... 5% ~ 90%
- ※ Non-Operation
  - Ambient Temperature .....-40°C ~ +75 °C
  - Relative Humidity ..... 5% ~ 95%