

SRRH-4805 (RECR-04D)

the
POWER
you need



REV: 10032011

OUTDOOR APPLICATION

PRODUCT FEATURES:

- 220V AC Input; Power Factor Correction
- 48V DC Output (Adjustable)
- Designed for Outdoor Applications; -40°C to +50°C
- Battery Backup with Low Voltage Disconnect and Float Charging w/Temperature Compensation
- RS-485 for Control, Alarms, and Monitoring
- Sensors for Fire, Door, and Cabinet Temperature
- Meets Conducted EMI, Class B
- Currently Deployed in South Korean Market
- Designed to Meet Telcordia and UL for US Market



INPUT SPECIFICATIONS:

VOLTAGE	AC Input (176 ~ 264VAC)
FREQUENCY	47~63 Hz
PROTECTIONS	Circuit Breakers: 15A AC Input; 7A AC Outlet
EFFICIENCY	≥ 87% @ 230VAC (Full Load, 48Vout, typical)
HARMONICS	EN61000 3-2 compliant (0.97 PF)

OUTPUT SPECIFICATIONS:

VOUT ADJUSTMENT	48VDC to 59VDC
DC LOAD CURRENT	5.0A max
LINE REGULATION	±1% max, across full input range
LOAD REGULATION	±1% max, across full load range
RIPPLE & NOISE	±1.5% p-p, max (20MHz BW)
EXCURSION	±5% max, 25% Step Load
RECOVERY	100ms max
PROTECTIONS	Current Limit, Short Circuit, OVSD, and Circuit Breakers: 7A DC Output; 7A Battery

ADDITIONAL PROTECTIONS & FEATURES:

- Input Undervoltage
- Thermal Shutdown
- Battery Thermal Compensation
- Battery Low Voltage Disconnect (LVD)
- Fire, Door, and Battery Cabinet Temperature Sensors
- Battery Heater Pad (220VAC, 60W)

BATTERY:

Four internally mounted Rocket ES4-12 (4.0Ah @ 12V each; VRLA)
Backup Time: 20 Minutes @ 180W

GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE	-40°C to +50°C (No Derating)
STORAGE TEMPERATURE	-40°C to +80°C
OPERATING HUMIDITY	5% ~ 95% (non-condensing)
STORAGE HUMIDITY	5% ~ 95% (non-condensing)
COOLING	Free-Air Convection (No forced airflow required)
VIBRATION	10-55Hz, 2G, 3Min Period, 60 min each (3 axes)
SHOCK	20G Peak Acceleration
RELIABILITY	>1,000,000 Hours (per MIL STD 217F)
SIZE (RACK & MODULE)	11.61" x 6.58" x 22.84" (WxHxD)

EMISSIONS:

EMISSIONS	EN55022 Level B (Conducted)
ESD	EN61000-4-2, 4kV Contact / 8kV Air
RADIATED SUSCEPTIBILITY	EN61000-4-3, 26MHz-2000MHz, 10V/m, 80%AM
EFT / BURSTS	EN61000-4-4, 2kV
SURGES	EN61000-4-5, 2kV Earth, 1kV Line-Line
CONDUCTED IMMUNITY	EN61000-4-6, 150kHz-80MHz, 10Vrms, 80%AM
VOLTAGE DIPS	EN61000-4-10, 95% Dip, 10ms / 30% Dip, 500ms
VOLTAGE INTERRUPTIONS	EN61000-4-11, 95% reduction, 5ms
FLUCTUATIONS & FLICKER	EN61000-3-3

SAFETY STANDARDS:

DESIGNED TO MEET UL / cUL:	60950-1
DESIGNED TO MEET TELCORDIA:	GR-1089-CORE section 2
DESIGNED TO MEET TELCORDIA:	GR-1089-CORE section 4
DESIGNED TO MEET TELCORDIA:	GR-1089-CORE section 4.4



DONGAH ELECOMM
W W W . D O N G A H U S A . C O M

DongAh Elecomm USA
1300 E. Lookout Dr. #210,
Richardson TX 75082

Phone: (972) 497-9990
Fax: (972) 497-9991
sales@dongahusa.com

DongAh Elecomm Corp.
167 Namgok-ri, Yangji-myun,
Yongin-si Kyunggi-do 449-820 Korea

Phone: 82-31-330-8805
Fax: 82-31-330-8889
julian@dongahusa.com