



REV: 09232011

ITE / EMBEDDED POWER SUPPLY

Indoor Power Shelf
27VDC / 112A Output

PRODUCT FEATURES:

- **Modular Design**
- **19" Rack Mountable**
- **2 Rectifier Modules for a total of 112 Amps**
- **Battery Charge and Monitor**
- **Low Voltage Disconnect for Battery Protection**
- **Full Featured Status and Alarm**
- **RS485 Serial Interface, TCP / IP**
- **Front Panel LCD Indicator**
- **World Wide Safety Approval**
- **Rectifier DRM-260 Rectifier Module**
- **Controller DSC Control Module**
- **Safety Certifications Pending**



INPUT SPECIFICATIONS:

VOLTAGE	1Ø 220 VAC (±20%)
FREQUENCY	47-63Hz
INRUSH	20A @ 230VAC (Max Cold Start) per Module
CURRENT	10A @ 230VAC (Max Continuous) per Module
PROTECTION	Double pole 15A Fuse / 250AC per Module
LEAKAGE	750uA Max @ 264VAC per Module
EFFICIENCY	91% Typical
HARMONICS	EN61000-3-2 Class D Compliant (>98PF)
PROTECTION	Input Undervoltage, Overvoltage

OUTPUT SPECIFICATIONS:

VOUT	27VDC
IOUT	112A with 2 Modules
ADJUSTMENT RANGE	21VDC ~ 29VDC
LINE REGULATION	±0.5% Max over entire input range
LOAD REGULATION	±0.5% Maximum
TEMP REGULATION	±0.5% Maximum
RIPPLE	±0.5%
SETPOINT ACCURACY	±0.5%
OVER CURRENT	105~130%
OVER VOLTAGE PROTECTION	29VDC (recycle input to reset)
PROTECTION	Thermal Shutdown
PROTECTION	Battery Thermal Compensation

STATUS & CONTROL SIGNALS:

DC OK	High Signal indicates DC Output is on and within regulation
CURRENT SHARE	< 10% of nominal current
INTERFACE	RS485, TCP/IP (SNMP)
BATTERY	Low Voltage Disconnect

GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE	-40°C to +65°C, derating above +50°C
STORAGE TEMPERATURE	-40°C to +85°C
OPERATING HUMIDITY	10% to 90% (non-Condensing)
STORAGE HUMIDITY	5% to 95% (non-Condensing)
COOLING	Internal Thermally Controlled Fan in each rectifier
VIBRATION	10-55Hz, 2G, 3min period/60min each (3 axes)
SHOCK	20G Peak Acceleration
RELIABILITY	150,000 Hrs MTBF
ALTITUDE	0-10,000 Feet
SIZE (W x D x H)	109 x 335 x 43mm (Module)

ELECTROMAGNETIC COMPATIBILITY:

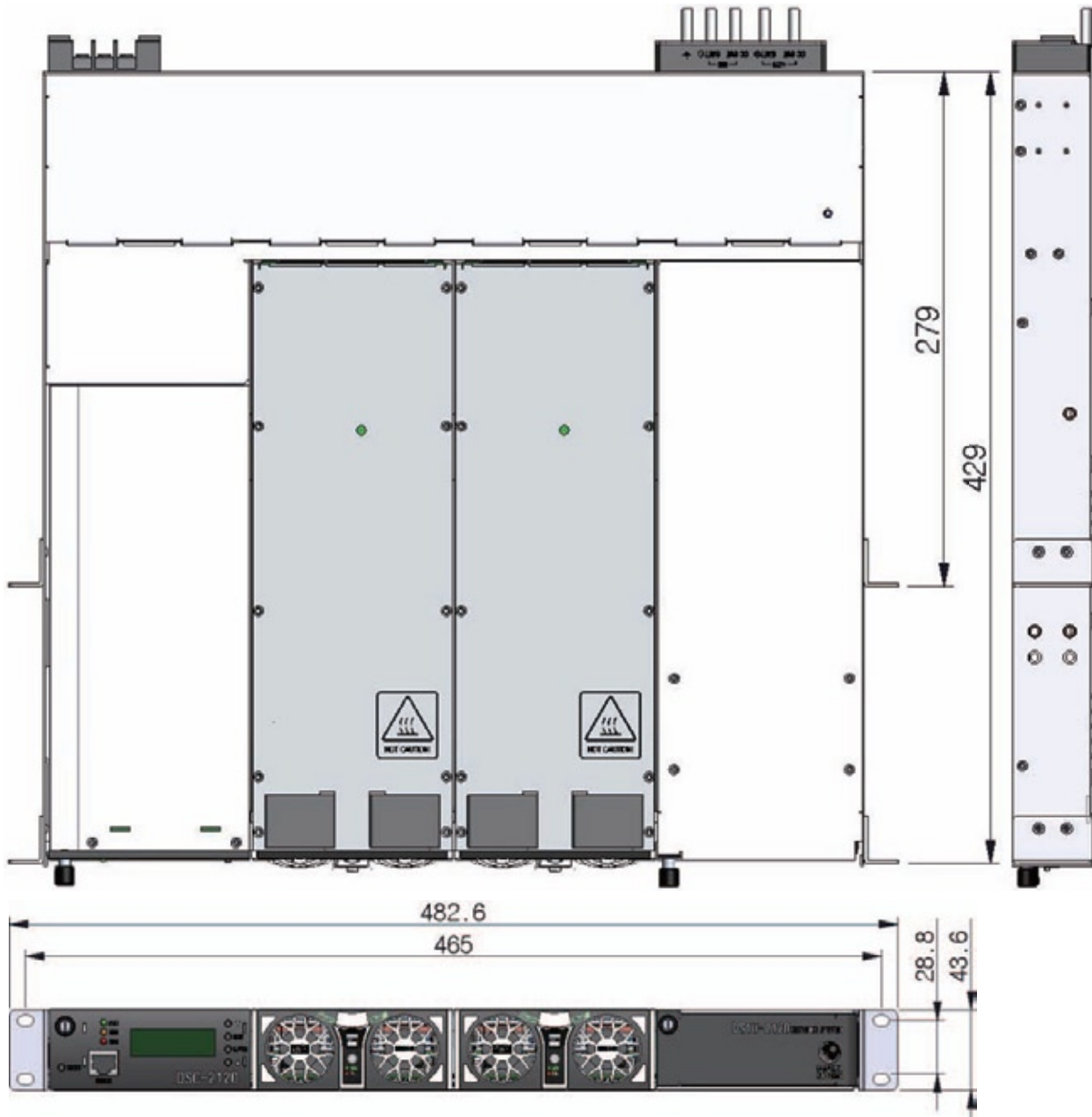
EMISSIONS	EN55022 Level B (Conducted)
ELECTROSTATIC DISCHARGE	EN61000-4-2, 4kV Contact / 8kV Air
RADIATED SUSCEPTIBILITY	EN61000-4-3, 26-1000MHz, 10V/M, 80%AM
EFT / BURSTS	EN61000-4-4, 2kV
SURGE	EN61000-4-5
CONDUCTED IMMUNITY	EN61000-4-6, 0.15-800MHz, 10V 80%
VOLTAGE DIPS	EN61000-4-10, 95% Dip & 10ms, 30% Dip & 500ms
VOLTAGE INTERRUPTIONS	EN61000-4-11, 95% reduction, 5ms
FLUCTUATIONS & FLICKER	EN61000-3-3

DS1U-2120

the **POWER**
you need

OUTLINE DRAWING:

Indoor Power Shelf
27VDC / 112A Output



ITE / EMBEDDED POWER SUPPLY



DONGAH ELECOMM
WWW.DONGAHUSA.COM

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