2,700 W Technical Specifications

AC INPUT
Voltage: 176—275VAC Over-voltage tested to 300Vac
Frequency: 47-63Hz
Peak Inrush Current: <20A
Power Factor: 0.99 typical
Efficiency: ~93% with 230VAC source, 50 to 100% load
Hold-Up Time: 10mS min.
Input Overcurrent: (internal) 20 A Fuse

DC OUTPUT
Voltage: 24V, 27V, 48V, 56V standard. Custom outputs available, consult Factory
Power: 2,700W
Accuracy: ± 50mV
Ripple & Noise: 1% V P-P Measured with 20Mhz Bandwidth
Line Regulation: Less than ±0.25%
Load Regulation: ±1.0% from no load to full load (droop load share)
Parallel use: May be paralleled with other like units for increased system output, redundant diode included
Current Sharing: Slope program current share, (droop)
Temperature Coefficient: < ±0.02% per°C
Acoustic Noise < 65dBA at nominal input and full load

ELECTRONIC ALARMS (Basic Set, others available)
AC OK: low when AC input is in range
Output OK: low if the output voltage is within 10% of the actual voltage set point (low=<.6V@1mA) (high=open collector (I<50µA)
CAN Bus: available option

VISUAL FAULT INDICATORS
Output OK: A front panel Green "Output OK" LED will be lit if the unit's output is within the acceptable range.

ELECTRONIC CONTROL INPUTS
Remote Inhibit: Application of a TTL input signal will cause the supply to shut down and an output OK fault alarm will be issued. (TTL High = Inhibit)
Remote Program: Provides +9%, -27% of set point voltage with 0 to 5V control signal

TEMPERATURE
Normal Operation: -20 to +55˚C
High Temperature Operation: derate 10% per˚C, 55 to 65˚C
Low Temperature Turn On: -40˚C Minimum
Storage / Transportation: -40˚C to +85˚C
Humidity Operating: 5% to 95% RH non-condensing
Storage: 0% to 99% RH non-condensing

PHYSICAL DIMENSIONS
Packaging (both available in 1U and 2U)
Dimensions: H88x W122 x D375mm (3.5 x 4.2 x 14.75")
Weight: 4kg (9lbs)

AGENCY COMPLIANCE
CE Marked: Low Voltage Directive only
Electrical safety: IEC 60950-1, UL 60950-1
EMI (conducted): FCC Part 15, Sub-part J, class A and EN55022, class A
EMI (radiated): Stand alone module tested to EN55022 Class B.
Harmonics: EN 61000-3-2
EN 61000-6-1 (Immunity, light industry)
EN 61000-6-2 (Immunity, industry)
EN 61000-6-3 (Emissions, light industry)
EN 61000-6-4 (Emissions, industry)
RoHS compliant

Notes:
Designed for use with Mercury shelf or custom Backplane

Options:
Variable Speed Fan
Silicone RTV encapsulate

Contact Factory for Options and full Product Specification

ORDERING INFORMATION

Part no.	Description
138233-N54D00	2,700W, 54Vdc, Droop CS, standard alarms
139239-P27D00	2,700W, 27Vdc, Droop CS, standard alarms
138233-N54D04-LF	2,700W, 54Vdc, Droop CS, reversed alarms, Black front panel

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