

Features

- Suits ETSI 300mm deep cabinets
- 4 power modules per 2U shelf
- 24/27V and 48/54V versions
- Single and dual output shelf options
- 90V to 300V input without damage
- 800W at 90V AC in up to +70°C*
- 1200W at 176V AC in up to 55°C*



Uses & Benefits

The flexible power modules offer scope to configure solutions for a wide range of Industrial or Telecom/ Network applications. The wide range input offers flexibility and tolerance to substantial input power disturbances.

The module auto configures its maximum power output to suit the AC source, offering 1200W* for 208/230/277V applications or 800W for 100/120V applications.

This short module makes it an ideal choice for applications where depth is limited. Shelves can be used in cabinets just 300mm / 12inches deep.

Two shelf options are available.

- One with a conventional single output such that with 4 power modules fitted a 3+1 redundant solution is provided.
- One with two separate outputs. This provides scope to create centre tapped outputs (e.g. +24V, 0V -24V) or two separate systems in one shelf either at the same or at different voltages (e.g. +24V, and -54V) where each output has dual redundant capability.

* for 48/54V models

Specifications

INPUT

AC Range:	90 to 277 VAC, 47 to 63Hz
Power factor	0.99 typically
Efficiency	~90% (230V AC, >50% load)
Hold up	>20ms (output to 80% nominal)
Peak Inrush Current	<36A
Overcurrent	Internal 20A fuse

OUTPUT

48/54V versions (output voltage range 34V to 59V)

AC input	Maximum		
	Temp	Current	Power
>90V	70°C	15A	800W
>176V	70°C	18.5A	1000W
>176V	55°C	23A	1200W

24/27V versions (output voltage range 20V to 33V)

AC input	Maximum		
	Temp	Current	Power
>90V	65°C	35A	800W
>176V	65°C	42A	1000W
>176V	55°C	45A	1100W

Accuracy	±50mV
Ripple and noise	1% P-P measured with 20MHz bandwidth
Line regulation	<0.25%
Load regulation	±1.0% from no load to full load
Current share	Slope program (Droop)
Parallelability	Redundant FET included - may be paralleled with other units
Temp. coefficient	< ±0.02% per°C

Specifications

ALARMS / SIGNALS

AC OK, , Output OK,	Low when AC input is in range Low if output is within 10% of set point
Front panel LED Remote Inhibit	Green LED lit if output OK Application of a TTL (high) signal will cause the supply to shut down
Remote Program	Provides +9% and -27% of set point voltage with 0 to 5V signal

CAN bus interface and other signal options available

ENVIRONMENTAL

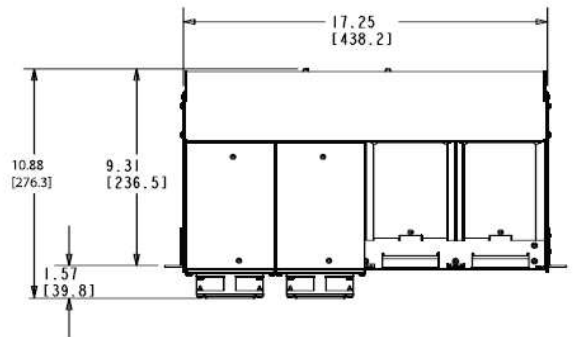
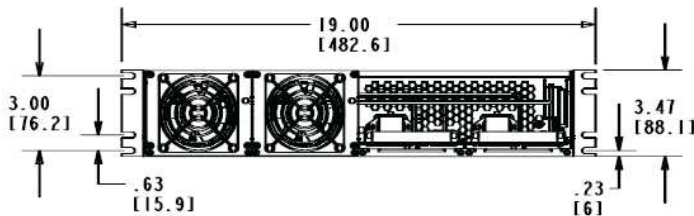
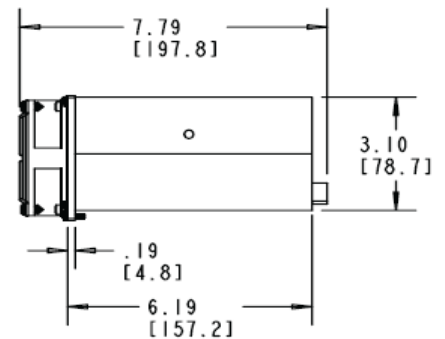
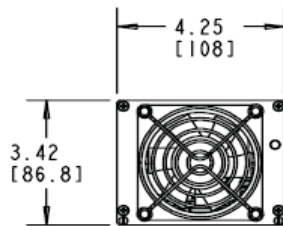
Normal operation:	-20°C to + 70°C (see Output section above for details)
Start up	-40°C
Storage Temp:	-10°C to + 85°C
Humidity:	0-95% non-condensing

MECHANICAL

Module weight:	3.6lb (1.6kg)
Shelf weight	7lb (3.2kg)
Dimensions:	see outline drawings
Mounting:	19" (or ETSI / 23" with extensions)

COMPLIANCE

UL approved (UL60950-1)
CE marked (LVD), IEC60950-1
RoHS 6
TUV approved (EN60950-1)



Ordering Information

Part no.	Description
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