

The 3KW Power Supply Unit (PSU) efficiently provides DC power for the latest OCP V3 rack from either AC or DC sources. Main output is 50V DC with maximum current of 60A. PSU supports PMBUS1.2 with boot loader, LED status indicators, and circuit protection features.

- 3kW, 50V/60A
- Single-phase AC or DC input
- 208/240/277Vac, or 240Vdc
- Power Factor Correction (PFC)
- High density design (32W / inch^3)
- 97.5% efficiency
- Parallel operation for capacity or redundancy (6 PSUs in N+1 (1U Shelf) or 12 PSUs in N+N (2U Shelf) configuration)
- PMBUS1.2 communication protocol



Specifications

Electrical	
Input Voltage, nominal	208/230/240/277Vac or 240Vdc
Input Frequency	50 / 60 Hz, auto sensing
Input Power Factor at Full Load	> 0.99
Input Current	17.0A MAX@ 200-305Vac
Output Power, maximum	3kW (Main Output)
Output Voltage, nominal	50V nominal (no standby).
Output Current, maximum	60A
Output Efficiency AC Mode	> 97.5% @ 50% load
Current Share Method	Diode OR active current share bus + 1% droop
Communication Ports	PMBUS
Communication Protocol	PMBUS1.2
Physical	
Dimensions (H x W x D)	2.89" x 1.57" x 20.47" (73.5 mm x 40 mm x 520 mm)
Weight	5.5 lbs (2.5 kg)
Environmental	
Temperature	Operating: 0°C – 50°C, Storage: -40°C – 70°C
Humidity	10% – 90% relative (non-condensing)
Altitude	Operating: 0 m – 3000 m, Storage: 0 m – 15000 m

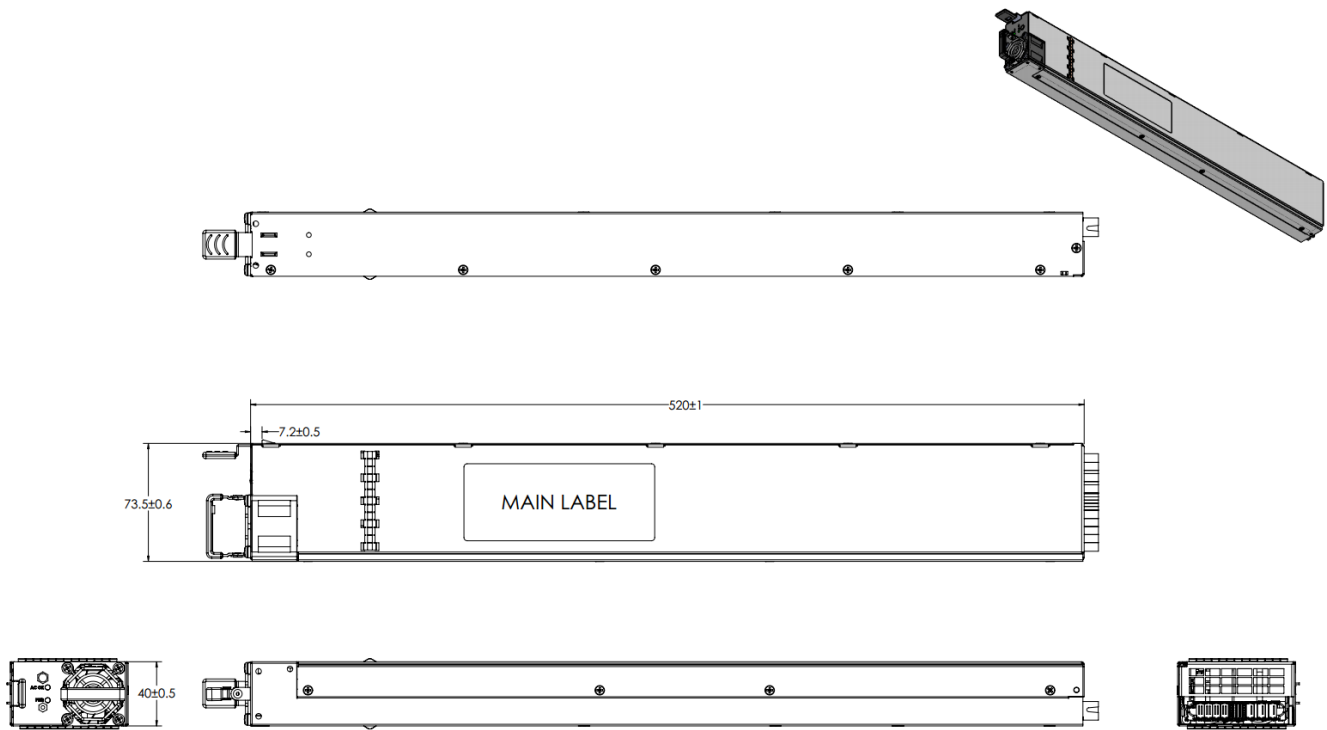
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Specifications

Acoustic	60dB at 1 m
EMI	CISPR 22 Class A -6dB
General	
Safety	UL62368-1, IEC62368-1 International, GB4943, RoHS
Warranty	2 years

Mechanical



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Front Panel LED Status

Status	LED 1 (Input) Green Color	LED 2 (Output) Bicolor
AC_LOSS	Off	Off
Vin_OV_Fault	Flashing	Off
Vin_UV_Fault	Flashing	Off
AC_Normal	Solid Green	Solid Green
ALL_Normal	Solid Green	Solid Green
Vout_OV_Warning	Solid Green	Flashing Green
Vout_UV_Warning	Solid Green	Flashing Green
Iout_OC_Warning	Solid Green	Flashing Green
OT1_Warning	Solid Green	Flashing Green
OT2_Warning	Solid Green	Flashing Green
OT3_Warning	Solid Green	Flashing Green
PERSON	Solid Green	Flashing Yellow
FAN_LOCK	Solid Green	Solid Yellow
Vout_OV_Fault	Solid Green	Solid Yellow
Iout_OC_Fault	Solid Green	Solid Yellow
OTP_Fault	Solid Green	Solid Yellow
Vout_UV_Fault	Solid Green	Solid Yellow
LATCH_SD	Solid Green	Solid Yellow
SCP_Fault	Solid Green	Solid Yellow
STB_UV_Fault	Solid Green	Solid Yellow
STB_OV_Fault	Solid Green	Solid Yellow
STB_OCP_Fault	Solid Green	Solid Yellow
STB_OTP_Fault	Solid Green	Solid Yellow

Front Panel

1	LED 1 indicator	Input power LED indicator
2	LED 2 indicator	Output power LED indicator
3	Fans	Cooling fans



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