

pOweration

Cutting Edge Technology Moduler Power Supply

Above 95% Efficiency

2,5 kW Power Packed-In...

Ultra Compact Size

"1U" Height



www.poweration.com

Can be modularly designed into single or three phase units, for various output voltages. Made to comply with stringent Military Standards for choke, vibration, temperature, EMI/RFI and electrical transients.

The manufacturer of this product ELSIS Co. Inc. established in 1971 is an "ISO-9001" certified company since 1999.

12675 Danielson Court, Suite 401, Poway, CA 92064
Phone: 619-540-7004 Email: ekoprulu@poweration.com
www.poweration.com



Main Technical Specifications of " 2,5 kW Modular Power Supply"

Model	28VDC Output	36VDC Output
AC Input Voltage Range	90-265Vac(170-265Vac Full Rated Power), withstands 300Vac	
Input Frequency	40-70 Hz	
Power Factor	> 0.95(Typical 0.99)	
Input Current THD	Less than 5% a full load	
Input Protection	Fuse Protection(20A), and electronic turn off at input Voltages beyond allowed limits	
Output Voltage	28Vdc(Adjustable from 20Vdc up to 30.7Vdc)+/-1%	36Vdc(Adjustable from 24Vdc up to 37Vdc)+/-1%
Nominal Output Power	2400W	2500W
Output Voltage Ripple	Up to 20Mhz Bandwidth less than 250mV	
Output Current Limit	86A(Adjustable from 5A to 86A)	70A(Adjustable from 5A to 70A)
Output Protection	Over Voltage Protection, Over Current Protection, Short Circuit Protection and Mechanical Fuse Protection Mil-Std-1275 D/E (Optional)	Over Voltage Protection, Over Current Protection, Short Circuit Protection and Mechanical Fuse Protection
Efficiency	Better Than %95	
Electromagnetic Compatibility	MIL-STD-461E	
Weight	Apprx: <2.5kg	
Package Type	According to Customer Request	
Cooling	Forced Air Cooled or Base Plate Mounted Conduction Cooled	
Mechanical Units	Metric(Can be modified according to customer request)	
Dimensions	W:126mm ; H:42mm (1U) ; L: 295mm (3 Units Can fit in 19" Rack with a height of 1U)	
Communications, Controls, Indicators.	Isolated RS422 or I2C communication, remote ON/OFF, PGOOD, Charger/ Rectifier Select, Floating Charge Control, AC_OK LED, DC_OK led, Fault LED indicators.	
Operation Ambient Temperature	-32°C to +55°C (without derating)	
Storage Temperature	-40°C to +80°C	
Salt and Mist	MIL-STD 810E Method 509.3, 48 hours mist and 48 hours dry time	
Mechanical Choke	MIL-STD 810E	
Vibrations	MIL-STD 810E, Category 8 , Military Land Vehicle	
Acoustical Noise	Depands on housing type	
Operation Altitude	3000m; above 2000m according to degradation curve	
Relative Humidity	Up to 90%(without condensation)	
Parallel Operation	N+1 current sharing	

