

**HIGH-EFFICIENCY MIL-STD POWER  
CONDITIONING AND INTELLIGENT  
BATTERY CHARGING UNITS DESIGNED  
FOR DIVERSE ELECTRONIC PAYLOADS IN  
EXTREME ENVIRONMENTS.**



**Battery Charger**



**Power Supply 500W**



## OUR USP'S

- High-efficiency PFC-based intelligent battery charging system optimizes power usage and accelerates recharge cycles for tactical field batteries.
- Fully customizable switch-mode power supplies (SMPS) ranging from 300W to 2000W to meet the specific power requirements of diverse electronic payloads.
- Rugged MIL-STD power conditioning and distribution protects sensitive radio and ISR equipment from "dirty" field power and voltage fluctuations.
- Integrated protection architecture prevents damage from overloads, short circuits, and voltage surges, ensuring long-term equipment reliability in the field.

## SALIENT FEATURES

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## TECHNICAL SPECIFICATION

Description	PPSUSMPS-24V	PPSUSMPS-48V	PPSUBC-51V
Input Voltage	160 to 264 V AC 50 Hz	160 to 264 V AC 50 Hz	90 to 264 V AC 50 Hz
Input Current	5 Amps on Full Load	5 Amps on Full Load	10 Amps on Full Load
Efficiency	0.92	0.92	0.94
Output-1 Voltage	24 V DC Nominal (Max 30 VDC)	48 V DC Nominal (Max 54 VDC)	Nominal 51 V DC Max 58 V DC
Output -2 Voltage	48 V DC	N/A	N/A
Output Current	20 Amps @ 24V 10 Amps @48 V	20 Amps	40 Amps
Line Regulation	0.02	0.02	CC and CV Mode
Total Power Rating	1000W	1000W	2000W
Cooling Methodology	Conduction Cooling	Conduction Cooling	Conduction Cooling
Input Protections	Over current and over voltage	Over current and over voltage	Input over current and over voltage
Output Protections	Over Load and over voltage	Over Load and over voltage	Batt under and over voltage Protection
Power Connectors	MIL C 5015 / D38999	MIL C 5015 / D38999	Type 1
Designed for Standards (EMI/EMC)	MIL Std 461	MIL Std 461	CISPR 22/MIL Std 461 E/F
Designed for Standards (Environmental)	MIL Std 810/ JSS55555	MIL Std 810/ JSS55555	MIL Std 810/ JSS55555
Dimensions	400 X 380 X 150 mm (L X W H)	360 X 370 X 170mm(L X W X H)	225 X 204 X 100 mm (L X W H)
Weight	7.0 Kg	8.0 Kg	8.0 Kg
Operating Temperature	(-20°C and +55°C)	(-20°C and +55°C)	(-10°C and +55°C)
Storage Temperature	(-30°C and +70°C)	(-30°C and +70°C)	(-20°C and +70°C)

## ACCESSORIES

Hard carrying case | Set of Cables

AS 9100D Certified

**PRECISION ELECTRONICS LTD.**

*"We always know who we are working for"*

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Released On. PEL 18042026-D

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