

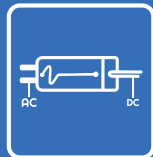
Precision Electronics Limited has a long experience in delivering a wide range of power solutions for Telecom, Aerospace, Healthcare and Industrial sectors against various applications.

- Tactical AC-DC Power supplies
- Power Supplies with Battery Charger
- Power conditioning Rack (PCR)
- Power Distribution Panel (PDP)
- Customized Power Modules for Medical equipment
- Test Jigs for repair and troubleshooting

## OUR USP's



MIL-STD Design and Construction



AC-DC, DC-DC



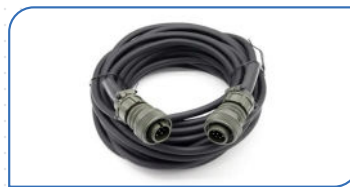
Battery Charging, Power Distribution



Communications I/f's: CAN, GPIO, Serial, Ethernet

### Sailent Features

- Customizable switch mode power supplies (AC-DC, DC-DC) for 300-2000W
- PFC based Battery Charger up to 3000W with built-in controller
- Power Distribution Units up to 30kVA
- Offered in high industrial (UL STD) OR MIL-STD construction
- Input Power Conditioning
- Highest operating safety
- Maximum energy efficiency



Cable Assembly AC power



Cable Assembly DC power

**10+** Years of Experience

**100+** Production Capacity per Month

AS 9100D:2016 Quality Certified  
ISO 9001:2015 Manufacturing



# TECHNICAL SPECIFICATIONS

S.No.	Description	SMPS-24 V (Dual O/P)	SMPS-48 V	Battery Charger
1	Input Voltage	160 to 264 V AC 50 Hz	160 to 264 V AC 50 Hz	90 to 264 V AC 50 Hz
2	Input Current	4 Amps on Full Load	4 Amps on Full Load	10 Amps on Full Load
3	Efficiency	92%	92%	94%
4	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
5	Output -2 Voltage	48 V DC	N/A	N/A
6	Output Current	20 Amps @ 24 V 10 Amps @ 48 V	20 Amps	40 Amps
7	Line Regulation	2%	2%	CC and CV Mode
8	Total Power Rating	1000W	1000W	2000W
9	Cooling Methodology	Conduction Cooling	Conduction Cooling	Conduction Cooling
10	Input Protections	Over current and over voltage	Over current and over voltage	Input over current and over voltage
11	Output Protections	Over Load and over voltage	Over Load and over voltage	Batt under and over voltage Protection
12	Power Connectors	MIL C 5015 / D38999	MIL C 5015 / D38999	Type 1
13	Standards (EMI/EMC)	MIL Std 461	MIL Std 461	AIS-138 (Part 2)
14	Standards (Environmental)	MIL Std 810/ JSS55555	MIL Std 810/ JSS55555	AIS-138 (Part 2)
15	Dimensions	400 X 380 X 150 mm (L X W H)	360 X 370 X 170 mm (L X W H)	225 X 204 X 100 mm (L X W H)
16	Weight	7.0 Kg	8.0 Kg	5.0 Kg
17	Operating Temperature	(-20°C and +55°C)	(-20°C and +55°C)	(-10°C and +55°C)
18	Storage Temperature	(-30°C and +70°C)	(-30°C and +70°C)	(-20°C and +70°C)

## CARRYING CASES: SOFT/HARD



Roto Mould/ FRP



Plastic Injection Moulding

