MEDICAL

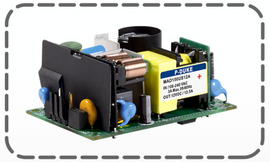
SOME OF OUR PRODUCTS

DISTRIBUTION PARTNERS

POWERTEC

Powertec Supplies India Pvt. Ltd.

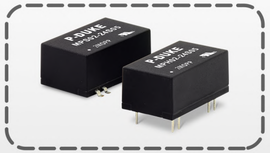
ISO 9001:2015



AC-DC Converters

P-DUKE

15W to 450W high power density and high performance
Up to 92,5% Conversion Efficiency
Up to 140% Rated Power for 5 seconds 4000Vac reinforced 2xMOPP insulation
Low leakage current < 100µA Protection type Class & Class II
Comply with EN55032 radiated & conducted
EMI Class B
Medical certification IEC/EN/ANSI/AAMI 60601-1
Low Profile 3" x 1.5" x 1.24" Package Operating Altitude up to 5000 m
Operating Temperature Range -40°C to +85°C 5 Years Product Warranty



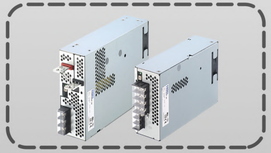
DC-DC Converters

P-DUKE

1W to 60W with patented 2xMOPP transformers for highest performance11
ISO 14971/ISO 13485
Risk Management Manufacturing Process and Construction
8mm Clearance/Creepage for CF applied Part Equipment
Low Leakage Current
5000m Operating Altitude
-40 to +105°C Operating Temperature
5 Yrs Warranty

GHA SERIES

Medical Safety Approvals (ANSI/AAMI ES60601-1,
EN60601-1 3rd Ed., IEC60601-1-2 4th Ed.)
Medical Isolation Grade 2MOPP
Low Leakage Current (0.25mA MAX)
3"x5" Standard Size
Options: Remote ON/OFF, With AUX1 (12V), AUX2 (5V),
With Fan (Option: SNF), Conduction Cooling (GHAS00F)



PJMA SERIES

Medical Safety Approvals (ANSI/AAMI ES60601-1, EN60601-13rd Ed.)
Medical Isolation Grade 2MOPP
Applicable to BF-type Medical Equipment (Output-FG:1 MOPP)
Low Leakage Current (0.30mA MAX)
Harmonic Attenuator (Compliant with IEC61000-3-2 Class A)
Economical Design
Option: Low Standby Power Consumption With Remote ON/OFF

PCA SERIES

Medical Safety Approvals
(ANSI/AAMI ES60601-1, EN60601-13rd Ed., IEC60601-1-2 4th Ed.)
Medical Isolation Grade 2MOPP
Leakage Current (0.50mA MAX)
Low Profile (41mm) for 1U Applications Constant Current Operation
Output Voltage Adjustable to About 0V
Remote Monitoring via Communication Interface Alarm Function
Option: With AUX (Voltage Range SV-12V)

SynQor

COSEL

P-DUKE

DEFENCE SUBSYSTEM

Powertec delivers indigenous Defence Subsystems—engineered in India for tactical, surveillance, and communication systems. Compliant with stringent military standards, our solutions empower the armed forces with secure, high-availability technology.

3U VPX SBC – Intel® Xeon W / i7

6U VPX SBC – Intel® Xeon-D / i7

Dual Display Consoles

iVDO – NVRSP Video Recorder / Streamer

½ ATR Rugged Mission Computer

CABLES HARNESS DIVISION

Powertec manufactures high-quality build-to-print and customized cable & wire harness assemblies, enabling seamless integration for Aerospace, Defense, Railways, and Industrial Applications. Our precision-engineered solutions ensure reliable interconnections for critical systems.

Custom built Precision & Quality Power Solutions

Where Failure Is Not A Option !

- Welcome to the world of Powertec, where we have catered to Indian electronic industry, with our unyielding commitment to deliver top of line AC-DC, DC-DC Converters.
- Our dynamic company has established strong presence across various sectors, making a significant impact in Defence, Transportation, Railways, Medical, telecom and Industrial.
- In our company, we believe that customisation is the key to unlock unique excellence. With a precise craftsmanship, extensive research and development and a wealth of experience, we bring your unique vision to life.

Distribution Partners:

SynQor COSEL P-DUKE

POWERTEC

Powertec Supplies India Pvt. Ltd.

For more information give us a call at **0120-4693000**
or drop a mail to **sales@powertec.in**

Powertec Supplies (India) Pvt. Ltd
B-112, Phase -11, Noida, 201305

MAKE IN INDIA

Noida | Bengaluru | Mumbai | Chennai | Hyderabad

DEFENCE

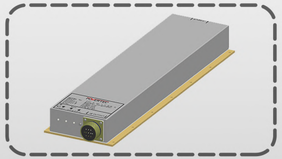
SOME OF OUR PRODUCTS

Rugged AC-DC Battery Pack

Input 220VAC, Output 28V DC 1.5A
2Hr Back up
Inbuilt Li-Ion Batteries
Charging Mode: Constant Current
8*2 LCD Display for Monitoring Battery status & Voltages
Portable & Table Top

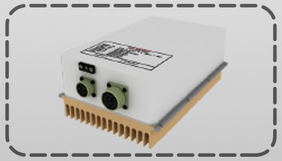
MI-T-50K-AG-N-HHHHHHHHH

Protection by GUI application Only
Liquid Cooling plates,
400VAC 30/4w Input Multi output.
Input transients & surge, burst, lightning protection.
Rugged AC/DC Converter for Military applications.
Over-voltage/short-circuit/Over-current/Over-temp. protected.



PTC 6 AF TCEJKA

230VAC input, triple output.
Conduction base plate for cooling
Rugged AC-DC converter for communication.
Over voltage, over current & over temp, short circuit protected.



Rugged Power Supply

Dual Input 230VAC & 24VDC
Quad Output 16.8V 6.2A, 16.8V 6.2A, 28V 3.6A, 28V 3.6A
Natural Air Cooled
EMI/EMC: MIL STD 461E
Environmental: MIL STD 810 G

Rugged Power Supply

Dual Input 230VAC & 24VDC
Octa Output 12V, 24V & 48V 1020W
Health Status Data Monitoring- RJ- 45
Natural/Convection Cooling
EMI/ EMC: MIL STD 461E (Ground / Navy)
Environmental: JSS 55555

RAILWAY

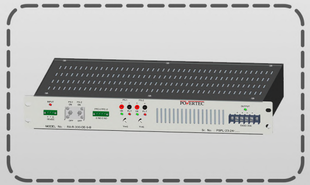
SOME OF OUR PRODUCTS

RA-R-6K0-AF-S-J (90A)

Input transients & surge protected.
Multi PIM COLD-Swappable unit with forced Cooling.
230VAC Input/48VDC/90A (N+1 Redundancy).
Over-voltage/Short-circuit/Over-current/Over-temp. protected.

PDD400 110 290

Natural air Cooling.
Shock & Vibration tested.
110VDC input/Single output.
Fast transients & lightning protection.
Over-voltage/short-circuit/over-current protected.



RA-R-300-DE-S-B

Dual-Redundant unit with natural air Cooling.
110VDC Input/5.0VDC/30A Redundant Output.
Input transients & surge protected.
Rugged DC/DC Converter for Railway applications.
Over-voltage/short-circuit/Over-current/Over-temp. protected.

Triple O/P DC -DC Converter - Railway

Input 110VDC (66V to 154VDC)
O/p +15V 8A, -15V 8A & +15V 8A
Compact in Size
Reverse polarity protection
Natural Air Cooled
Compatible for Parallel connection
Complies IEC 60571, IEC 61373, IEC 62236-3-2

INDUSTRY

SOME OF OUR PRODUCTS

Quad Output AC-DC Power Supply

Input 230VAC, Output 5V, +15V, -15V & 28V
Universal Input
Surge, Lightning & Fast Transients protection
Remote On / Off
Convection Cooling Over temperature
Operating Temperature: -20°C to +75°C

Automatic Transfer Switch

230VAC10A,20A,50A
Compact 19" Rack Mountable
Solid State Switching - Seamless Changeover
Digital Display for Output Voltage
Audible Alarms - PFC
User Defined Priority Source

IN-R-20K-DF-S-E

220VDC Input/110VDC 20KW Output
Input transients & surge protected.
Rugged AC/DC Converter for Industrial & Control Panel Application.
Over-voltage/Short-circuit/Over-current/Over-temp. protected.

DC-DC Converter

Input 24VDC(18-36V), Output 24V 25A
Compact - Din Rail Mountable
Inbuilt Oring Diode for Parallel Function
Inbuilt Forced Air Cooling
Input transients & Reverse polarity protection
PFC Contact for Health Status