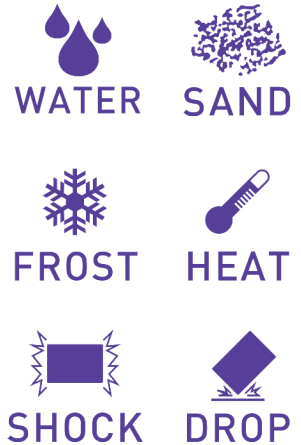


Power Supply

full rugged

AC150

power supply



Widely used is the AC / DC adapter AC150 for power up to 150 watts. Originally designed for usage with the Lizard® RW11 laptop in the Airbus A400M, the AC150 is now being used in variants of the rugged Lizard® notebook with IP65 certification, for mobile communication platforms and non-roda IT products. The special features of this MIL power supply are the protection class II (optional I), a low leakage current, best EMC properties according to MIL-STD461F and TEMPEST NATO 27 SDIP level B (ER) as well as a frequency range of 50Hz, 60Hz and 400Hz. The hardened and powder-coated aluminum chassis makes it dust, vibration and water resistant and verified by MIL-STD810G certification. Connectors on AC and DC side are freely selectable.

- **110 V_{AC} 60/400 Hz**
- **230 V_{AC} 50Hz**
- **protection class I, optional II**
- compact and robust set-up
- shielded aluminium housing
- transient protection
- LED-indicator
- ingress protection IP65
- high efficiency
- active PFC
- short circuit proof (output)
- overload proof (output)
- overvoltage and current proof (output)
- temperature: -20°C to +60°C
- environmental conditions tested according to MIL-STD-810G/461F, DO 160D
- optional: explosive atmosphere according MIL-STD-810G, Method 511
- optional: NATO SDIP 27 Level A and B
- connector and cable type customizable

Type	Input / V _{AC}	Output / V _{DC}	Current / A	Power / W
AC-150-19	110 V _{AC} 60/400 Hz 230 V _{AC} 50 Hz	19 V _{DC} ± 5%	7,9 A	150 W
AC-150-24		24 V _{DC} ± 5%	6,25 A	

Input variables

Input voltage	110V _{AC} (60 Hz), 110V _{AC} (400 Hz),
Frequency	230V _{AC} (50 Hz)
Input current	typical 1.6 A (115 V) typical 0.8 A (230 V)
Fuse	internal
Isolation	> 10MΩ input-output: 4300 V _{DC} input-chassis: 4300 V _{DC}
Efficiency	typical > 80 %
Connections (cables)	power cord (w/o protective conductor)
Cable length	147 ± 5 cm

General

Protection class	I or II (no protective earth)
Safety	EN 60950-1
CE-Conformity	manufacturers declaration directive related to low voltage
Environmental	design to meet MIL-STD-810G DO 160D MIL-STD-461F
Resistance	short circuit proof
Cooling	convection cooling
LED indicators	output: 1 LED green

Output variables

Output voltage	1 output (see previous page) others upon request
UA-tolerance	± 5 % typical (Ue+Ia +Tu)
Output power	150 W (max.) -20°C to +60°C (with derating)
Residual ripple	< 100 mV
Current limit	7.9 to 9.5 A
Connections (cables)	Connector: 62IN-16F-10-2S-62 or 62GB-16F-10-2S
Cable length	115 ± 5 cm

Mechanics

Housing	aluminum / RAL9005 black
Ingress Protection	IP65
Dimensions	242 x 142 x 52 mm (w/o cable fitting)
Weight	< 2.4 kg