

PNG Charger Systems



The PNG Handheld transceivers are powered by an internal rechargeable battery. For recharging, AXNES offers two different charger types. Both chargers are cradle type chargers, an AC table charger for off platform use, and a DC charger for permanent installation in a moving platform. The DC chargers has a 20G shock certification and supports full operation of the transceiver while charging.

CHG55/CHG35 DC charger:

The DC chargers are fitted with an easy to operate retaining clamp which ensures the transceiver is secured when in the charger and the platform is moving. Installed in the platform the charger will be supplied by the DC power system, and accepts a wide voltage supply range, from 10 to 33VDC.

All buttons and features are available when charging, allowing a charging MP50 or MP30 to be used as audio station on the ICS.

CHG50/CHG30 AC charger:

The table charger may be supplied stand alone or chained to supply multiple charging positions. When chained, up to 4 charging positions are mounted together and prewired to allow for several handhelds to be charged through a single power supply. A chained table charger will support individual charge cycles for each device. Supplied with a universal power supply for 100 to 250VAC, 50 or 60Hz, and power cords for any national standard.

- CHG35/55 Qualified according to DO-160G

Technical spec AC charger:

Operating temperature -10°C to +40°C

Power supply

Supply voltage: 90 – 264 VAC
Mains Plug supported US, AUS/PRC, UK and EU. Changeable.

EMC and Safety of power supply

CEC Mark Complies with standby power (@ no load) < 0.3 W.
EMC—Radiated/ Conducted EN55022, CISPR22, FCC Part 15 Class B
Agency Approvals UL / TUV / EN60950—1, CE, CB
Safety Standards UL, CE, CB, EN60950-1
EMC—Environmental EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11

Dimensions

Physical dimensions: 80x58,1x57,1 mm, 222g
Material: Saltwater resistant aluminium 6082-T6/5042
POM (Polyoxymethylene) uncoated.
Colour Olive, black or yellow

Technical spec DC charger:

Operating temperature: -45°C to +70°C
Thermal fuse: Optional 100°C resettable thermal fuse

Power supply

Supply: 10-33 DC, Nominal 28V DC
Protection 3A Fuse on input.
Protection against input voltage polarity swap.
Protection against over-voltage on input supply (triggered at 33VDC).
Current limit on input supply (2A).
Current limit on output (1.8A) allowing short circuit on output.

Connectors:

Unit mounted power: Amphenol: MS3112E-8-4P

Dimensions

Material: Saltwater resistant aluminium 6082-T6/5042
Colour: live, black or yellow