

IP-67 PSU for FSP 150-GO102Pro (Sm)

Ruggedized power supply unit suitable even for harsh environments

The availability of communication services depends on reliable power suppliers, especially at the edge of the network where the risk of single points of failure is high. Service providers and their customers need environmentally hardened devices for operation in environments such as within lampposts, telephone kiosks, traffic control boxes or street cabinets. That's why we built our ruggedized, ultra-compact cell site gateway and network demarcation device, the FSP 150-GO102Pro (Sm), and why we're now complementing it with a highly waterproof and dustproof PSU specifically developed for uncontrolled conditions.

Our PSU is ruggedized and waterproof to IP-67 rating and has mounting slots to enable it to be secured to a backboard using screws. The 1m-long AC cable is permanently attached to the unit and is unterminated to allow field services teams to connect it directly into screw-down terminals at the 110/230V distribution board. The 50cm DC cable is also permanently fitted to the unit and is equipped with an IP-67 inline connector, which mates to the matching connector on the FSP 150-GO102Pro (Sm) DC power lead.



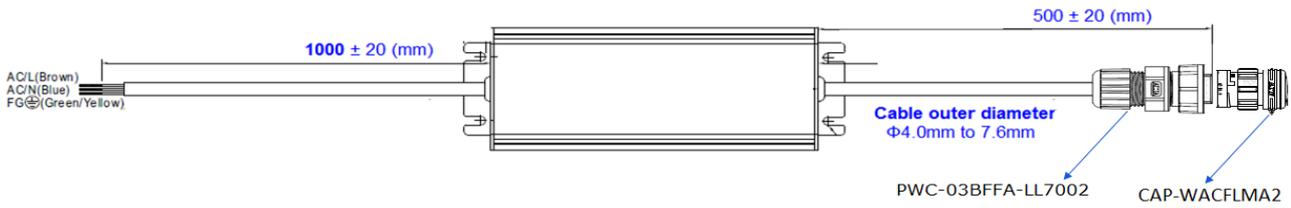
Your benefits

- ✓ **Designed for FSP 150-GO102Pro**
Tested and verified for secure operation and full compatibility
- ✓ **Compact, pragmatic design**
Minimum space requirements and mounting flanges for ease of deployment
- ✓ **Environmentally hardened design**
Ruggedized device for application in uncontrolled environments
- ✓ **Cables attached**
No need for adapters, readily supplied with customized connector
- ✓ **Proven technology**
Mass deployment with enterprises and communication service providers in a variety of applications
- ✓ **Highly efficient**
Low power consumption with innovative power converter technology achieving >85% efficiency

Technical specifications

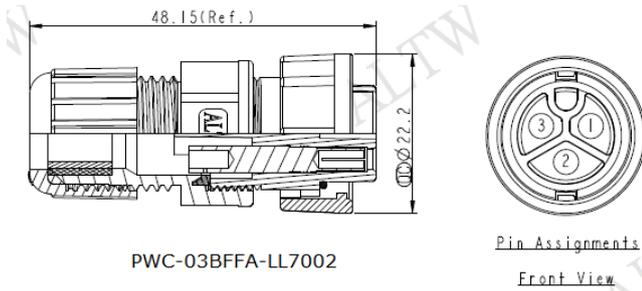
Mechanical dimensions

- Nominal dimensions (main body): 101mm (l) x 48mm (w) x 31.4mm (h)
- Mounting space required including flanges: 130mm (l) x 50mm (w) x 40mm (h)
- Mounting flange screw centres: 108.7 x 16.2mm. Screw slot width 3.8mm



DC output

The DC output cable is attached to the device. It is fitted with an IP-67 rated inline connector with a sealing cap to allow the NTE to be connected at a later date



Pin	Level
1	+ 12V
2	Not Connected
3	0V

DC output 12 ±3% V, 30W max, ripple and noise ≤ ±250mV, holdup time ≥16mS.

The PSU output is protected against over-voltage, over-current, short circuit, over-temperature and fire.

AC input

Nominal input voltage: 110/240 VAC.

The AC input cable is attached to the device. It is unterminated to allow the individual conductors to be connected to screw-down terminals at the electrical distribution board. The electrical installation must include a surge protection device which limits any surge to a maximum of differential module ±2kV, common mode ±4kV (IEC61000-4-5).

The PSU output is protected against over-voltage, over-current, short circuit, over-temperature and fire.

Sales item number	Description	Region	Live	Neutral	Earth
1040904062-01	F150/ADV/GO/ADAPT/240V/IP67/EU	EU/ UK/Japan/Russia/India / Australia/New Zealand/China	Brown	Blue	Green/yellow
1040904063-01	F150/ADV/GO/ADAPT/240V/IP67/NA	United States /Canada	Black	White	Green/yellow

Environmental conditions

- Operating temperature: -40 to +65°C
- Storage temperature: -40 to +70°C
- Humidity: 5 to 100% condensing
- Enclosure sealing: IEC 60529 IP67
- Altitude: ≤5000 m

- Environmental operating: GR-3108-CORE Class 1, 2, 4, ETSI EN300 019-1-3.1, 3.2, 3.3(Excluding solar load), 3.5, 3.6, 4.1, 4.1E (minimum operating temperature restricted to -40°C)
- Environmental storage: (GR-63-CORE, ETS 300 019-1-1)

Regulatory and standards compliance

- Safety: IEC 62368-1, UL/CSA 62368-1, EN 62368-1
- EMI: EN 61000-4-5, ETS 300-132, FCC Part 15, Class B, Industry Canada

Product compatibility

- This PSU is designed and tested to be used with ADVA FSP 150-GO102Pro (Sm). Additional products may be added in