



# 13.8Vdc Switch Mode Power Supplies

## User Manual

Please read through this manual thoroughly before use, any damage caused by misuse of product will not be covered by warranty.

Series of 13.8Vdc switching power supplies. Ideal use for radio equipment, security systems, alarm systems, access control systems, 12Vdc LED Lighting systems and central monitoring systems. For indoor use only.

### Features:

- Short circuit protection.
- Overload protection.
- Auto reset.
- Easy installation, screw terminals.
- Fan cooling for higher power models.
- Higher power models with 2 or 3 outputs to facilitate easier wiring of multiple devices.

### Specifications:

Item Ref	Output Voltage	Output Current	Max. Power	IP Rating	Power Supply	Outputs	Dimensions	Weight
650.755UK	13.8V	3.6A	49.68W	IP20	240Vac/1.3A, 50Hz	1	110 x 35 x 80mm	0.22kg
650.756UK	13.8V	5.4A	74.52W	IP20	240Vac/1.3A, 50Hz	1	110 x 35 x 80mm	0.22kg
650.759UK	13.8V	15A	207W	IP20	240Vac/2.5A, 50Hz	2	200 x 38 x 100mm	0.54kg
650.761UK	13.8V	25A	345W	IP20	240Vac/4A, 50Hz	3	220 x 50 x 115mm	0.85kg
650.762UK	13.8V	30A	414W	IP20	240Vac/4A, 50Hz	3	220 x 50 x 115mm	0.85kg
650.764UK	13.8V	43.5A	600.3W	IP20	240Vac/6A, 50Hz	3	240 x 65 x 125mm	1.15kg

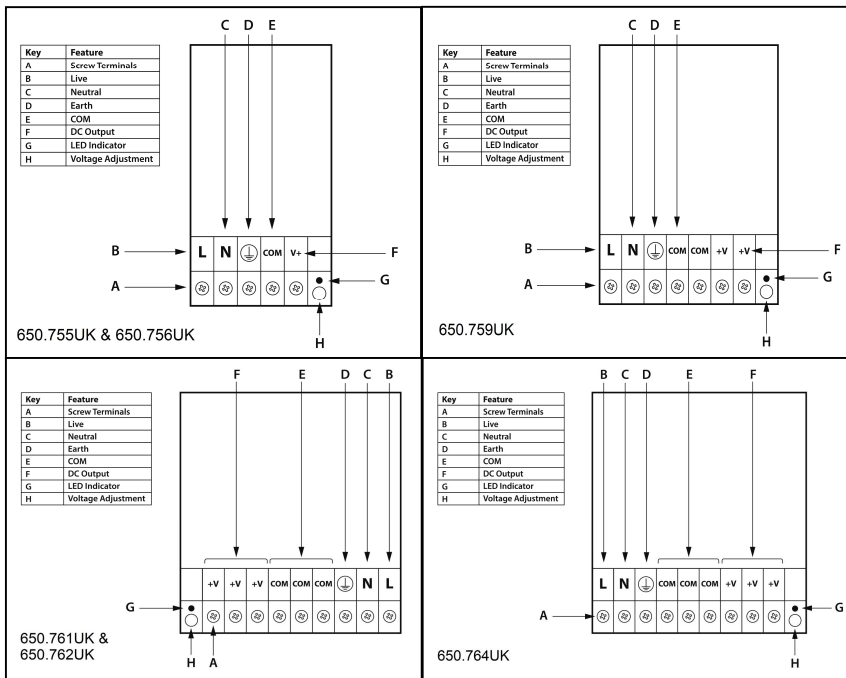
### Key Markings:

1. AC input connections: "live" and "neutral", the markings are displayed as "L", "N".
2. DC output connections "positive" and "negative", the markings are displayed as "+V", "-V".
3. The markings of multi-DC output voltage are "+V1", "+V2", "+V3", "+V4" "-V1", "-V2", "-V3", "-V4".
4. The common interface marking for multiple outputs is "COM".
5. The earth symbol is  $\perp$ .
6. Green LED indicator indicates power on.
7. Adjust voltage marking is displayed as "+V ADJ". Voltage adjustment range is 10% (12.42V-15.18V).

### Before Power On:

1. Please check the input and output wires are wired correctly: live, neutral, earth wire for AC; positive, negative DC.
2. Check whether the current rating of connecting cables is large enough.
3. Please check the connection of screws are secure.
4. Please check the earth wire is firmly connected for safety.
5. When using large electrical equipment, please consider installing an AC filter.
6. Full load working temperature is -10~40°C. Above this temperature will reduce the output power, i.e at 70°C the output power will not exceed 50%. Below -10°C, the unit will not power on.

## Wiring Diagrams:



**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN

**AVIS**  
RISQUE DE CHOC  
ELECTRIQUE NE PAS  
OUVRIR



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

## Warnings:

1. For indoor use ONLY
2. This unit MUST be earthed.
3. Risk of electric shock: do not open, this device contains no user serviceable parts.
4. Do not cover the ventilation holes.
5. Do not install and operate the device in extreme heat, moisture, or dusty environments.
6. Unplug the power supply when not in use.
7. The appliance is not for use by children and children should be supervised when around this unit.
8. This appliance is for use by professional electrical installers only.



This product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

## Errors and omissions excepted.

Copyright© 2023 AVSL Group Ltd, Unit 2 Bridgewater Park,  
Taylor Road, Trafford Park, Manchester. M41 7JQ.

AVSL (Europe) Ltd, Unit 3D North Point House,  
North Point Bus. Park, New Mallow Road, Cork, Ireland.