Applications & Options

FS150 / 300 Series

EST150 Series

150 W. TRIPLE OUTPUT DC POWER SUPPLIES

Typical Applications

- Test and Measurement
- Controlled battery charging
- Electronic Circuit Development
- Component device testing
- ATE in industrial production lines
- Laboratory analysis

- Medical research equipment
- Accurate current sources

Available Options (Not for EST150)



Increased **Output Power**

The conservatively rated unit allows to deliver extra output power with the same reliability.

At some derating, either the maximum output voltage or the maximum output current can be increased by about 10%.



High Voltage Isolation A higher output isolation allows series operation up to 1000 V.



Secured Voltage and **Current Setting** For maximum security, the CV / CC settings can be adjusted with a screwdriver only and are protected

with a plastic cap from accidental adjusting.

Only available for the ES 150 series



Sequencer

Arbitrary Waveform generator or standalone automation. The sequencer is integrated in the Ethernet controller.





Rear Power Output and Remote Sensing



Software Control

and Interfaces Factory installed program ming interfaces:

- Ethernet controller
- PROFIBUS controller
- CANBUS controller
- RS232 controller

External programming interface modules:

- IEEE488 controller module
- ISO AMP module





Output terminals at the rear panel instead of bind posts at the front panel, includes remote sensing.



19" Rack Mounting Adapter

Using the 19" mounting adapters, it is possible to position the ES units in a 19" rack.

Several configurations possible with multiple ES and / or PSC or ISO AMP modules.



	CV	
V		cc
l	→	

Features

- Very low output ripple and spikes
- EMC surpasses CE requirements: low emission & high immunity
- Excellent dynamic response to load changes
- Protected against all overload and short circuit conditions
- Designed for long life at full power

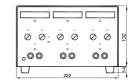
Model	Voltage range	Current range
EST 150		
Output 1	0 - 20 V	0 - 2.5 A
Output 2	0 - 20 V	0 - 2.5 A
Output 3	0 - 10 V	0 - 5 A

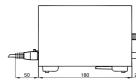
Functionalities

- 3 independent, floating outputs
- Dual voltage tracking or series tracking mode
- 3 output On / Off buttons
- Convection cooling
- Voltage and current control with 10 turn potentiometers

Dimensions and Weight

Width = half 19" Weight = 3.5 kgHeight = 146 mm, incl. feet





Specifications

 Single phase input : 90-265 V AC (48-62 Hz) • Active Power Factor Correction (PFC) : 0.99/0.83 (at 100% load) Efficiency : up to 81% (at full load) • Output ripple and spikes : from 0.5 mV_{rms} / 8 mV_{nn} Regulation : from 5 mV (0-100% load step) • Recovery time : 100 µs (50-100% load step)

 Tracking accuracy : 0.5%

• Output voltage and current stability : 10.10⁻⁵ / 10.10⁻⁵ : 500.000 hrs • Operating ambient temperature :-20 to +50 °C

Standards

 Power supply standard EN 61204-3

 Generic Emission EN 61000-6-3 (EN55022B) Generic Immunity EN 61000-6-2 Safety EN 60950 / EN 61010 / SELV

• Insulation input / output 3750 V_{ms}

Enclosure

