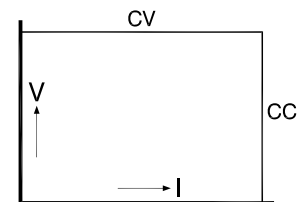




S 6 - 40 0 - 6 V 0 - 40 A
S 15 - 18 0 - 15 V 0 - 18 A
S 28 - 10 0 - 28 V 0 - 10 A



S - SERIES EURO - CASSETTE SWITCHED MODE DC POWER SUPPLIES

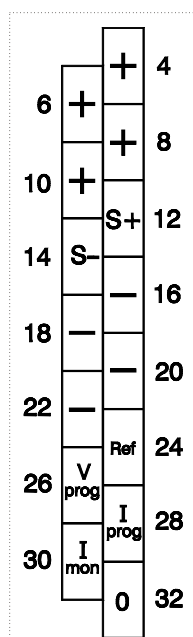
- Voltage and current adjustable by screwdriver at front panel (for fixed voltage and current)
- Accurate analog programming of voltage and current by 0 - 5V
- **IEEE 488** or **RS232** programming with optional external interface PSC488 EXT or PSC232 EXT
- 100 kHz MOSFET power conversion technique
- Efficiency up to 88 %
- Low inrush current (soft start)
- Redundant operation with RA10 adapter
- Natural convection cooling, no blower, no noise
- Master / Slave parallel operation with equal current sharing
- Parallel and series operation up to 500 V
- Built-in Over Voltage Protection
- Designed for long life at full power
- Fully burned in during 48 hours at 50 °C ambient
- Can also be used as a DC - DC converter

Output		S 6 - 40	S 15 - 18	S 28 - 10
voltage / current		0 - 6 V / 0 - 40 A	0 - 15 V / 0 - 18 A	0 - 28 V / 0 - 10 A
Input				
AC input, full load		100 - 132 V 48 - 62 Hz	100 - 132 V 48 - 62 Hz	100 - 132 V 48 - 62 Hz
DC input		195 - 265 V 48 - 62 Hz contact factory	195 - 265 V 48 - 62 Hz contact factory	195 - 265 V 48 - 62 Hz contact factory
current (220 V AC / 110 V AC) fuse 220V / 110 V		2.2 / 4.0 A rms 4 AT / 6.3 AT	2.3 / 4.2 A rms 4 AT / 6.3 AT	2.3 / 4.2 A rms 4 AT / 6.3 AT
Efficiency				
AC input, 220V, full load		80 %	86 %	88 %
Regulation				
Load 0 - 100% CV		5 mV	5 mV	5 mV
Line 198 - 265 V AC CV		5 mV	5 mV	5 mV
Load 0 - 100% CC		30 mA	10 mA	10 mA
Line 198 - 265 V AC CC		30 mA	10 mA	10 mA
Ripple + noise, rms / p-p CV		5 / 25 mV	5 / 25 mV	5 / 25 mV
CC		15 / 50 mA	5 / 15 mA	5 / 15 mA
Programming speed 0 → Vmax		10 ms	12 ms	15 ms
Output impedance 0-100 kHz CV		0.1 Ohm	0.1 Ohm	0.1 Ohm
Temp. coeff., per °C CV		5.10 ⁻⁵ 1.10 ⁻⁴		
CC				
Stability		5.10 ⁻⁴ 1.10 ⁻³		
during 8 hrs after 1hr warmup CV				
CC				

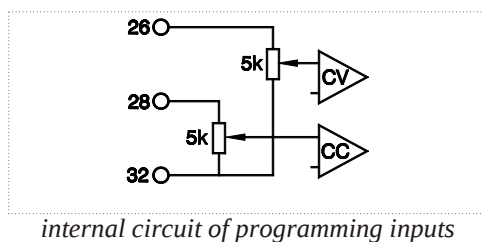
Analog Programming	CV	CC
Programming inputs input range accuracy input impedance	0 - 5 V $\pm 0.2\%$ - 5 mV / + 12 mV 5 kOhm	0 - 5 V $\pm 0.5\%$ - 4 mV / + 20 mV 5 kOhm
Monitoring output output range accuracy output impedance	not available	0 - 5 V $\pm 0.5\%$ - 6 mV / + 0 mV 20 Ohm

Recovery time 50 - 100% load step	: 100 μ s S6-40, S28-10 200 μ s S15-18
Insulation Input/Output	: 3750 Vrms (1 min.) 8mm creepage/clearance
Input/case	: 2500 Vrms (1 min.)
Output/case	: 500 V DC
Safety	: EN 60950 EN 61010
EMC Power Supply Standard	: EN61204-3
Generic Emission	: EN61000-6-3 (EN55022-B)
Generic Immunity	: EN61000-6-2
Operating ambient temp.	: -20 to +50 °C
Thermal protection	: Output shuts down in case of insufficient cooling
Series operation	: Max. 500 V total voltage
Remote sensing	: Max. 2 V per lead

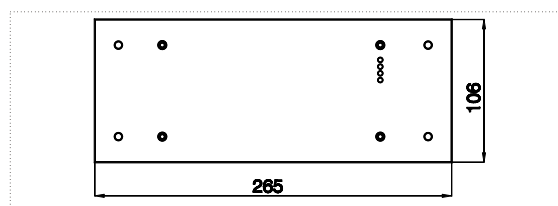
OVP adjust range	: 5 - 35 V
Mounting	: Vertical airflow through the unit should not be obstructed
Cooling	: Natural convection cooling, no blower, no noise.
MTBF	: 500 000 hrs
Standby input power	: 4 W
Hold-up time 100 % load, 220 VAC	: 20 ms
50 % load, 220 VAC	: 40 ms
Dimensions (h x w x d)	: 106 x 194.5 x 166 mm
Case	: DIN 41494 / IP20
Connectors	: H15 (DIN 41612)
Weight	: 2.8 kg



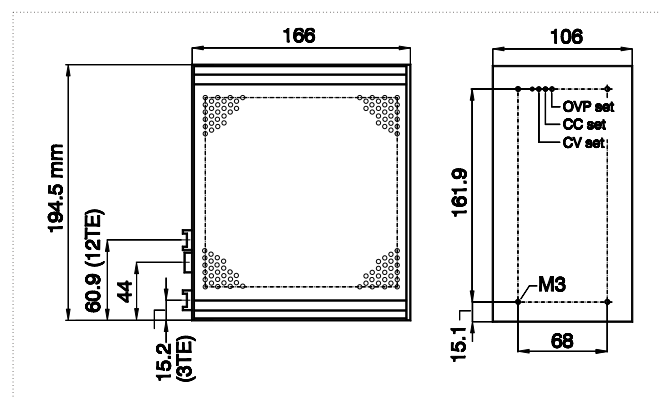
output connector



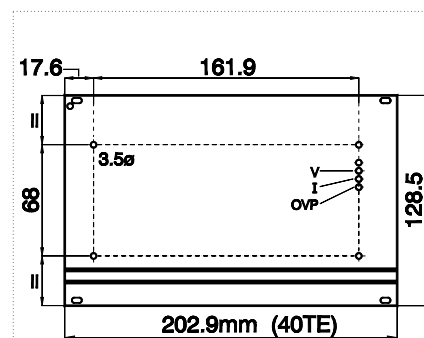
internal circuit of programming inputs



FPW frontpanel for wall mounting



dimensions



FP40, front-panel for Eurocard-rack



Eurorack mounting
with front panel FP40



Wall mounting with front
panel FPW



Redundant adapter
RA 10 for S28 - 10