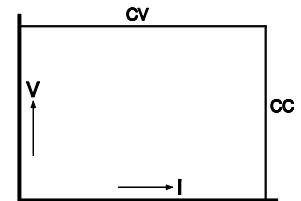




**S 6 - 40      0 - 6 V      0 - 40 A**  
**S 15 - 18      0 - 15 V      0 - 18 A**  
**S 28 - 10      0 - 28 V      0 - 10 A**



## S - SERIES EURO - CASSETTE SWITCHED MODE DC POWER SUPPLIES

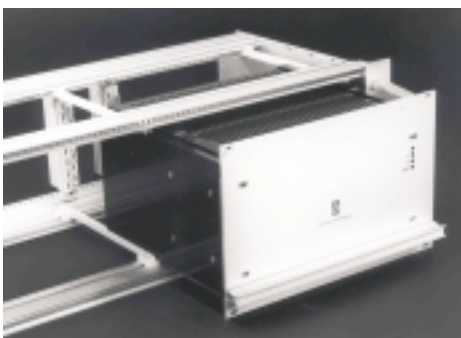
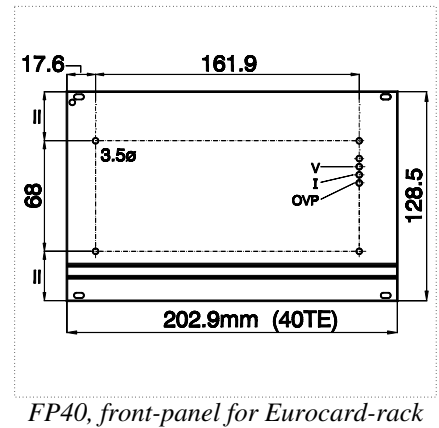
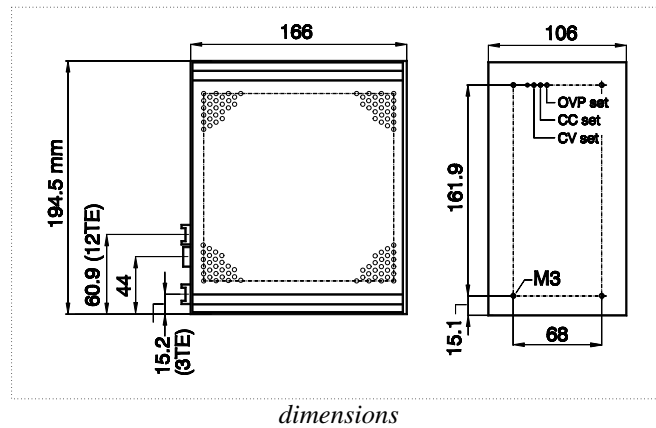
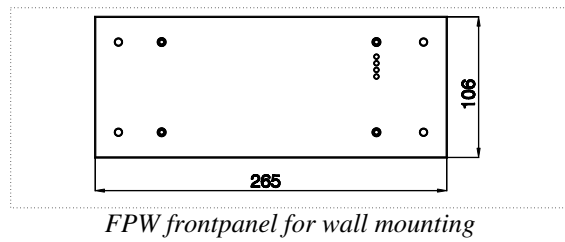
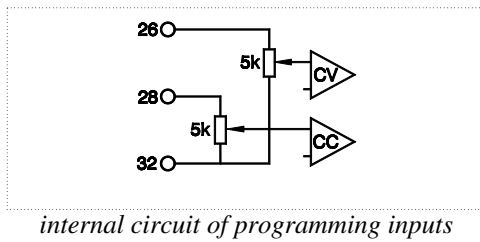
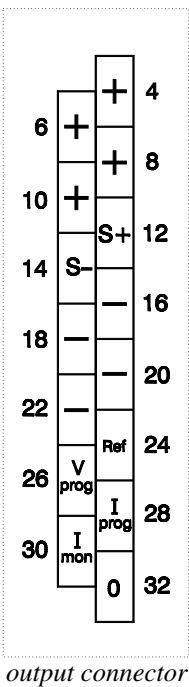
- Voltage and current adjustable by screwdriver at front panel (for fixed voltage and current)
- Accurate analog programming of voltage and current by 0 - 5V
- **IEEE 488** or **RS232** programming with optional external interface PSC 44 M or PSC232
- 100 kHz MOSFET power conversion technique
- Efficiency up to 90 %
- 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		<b>S 6 - 40</b>	<b>S 15 - 18</b>	<b>S 28 - 10</b>
voltage / current		<b>0 - 6 V / 0 - 40 A</b>	<b>0 - 15 V / 0 - 18 A</b>	<b>0 - 28 V / 0 - 10 A</b>
<b>Input</b>				
AC input, full load		100 - 132 V 48 - 62 Hz	100 - 132 V 48 - 62 Hz	100 - 132 V 48 - 62 Hz
DC input, full load		195 - 265 V 48 - 62 Hz 245 - 360 V	195 - 265 V 48 - 62 Hz 245 - 360 V	195 - 265 V 48 - 62 Hz 245 - 360 V
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
<b>Efficiency</b>				
DC input, full load		81 %	88 %	90 %
AC input, 220V, full load		80 %	86 %	88 %
<b>Regulation</b>				
Load 0 - 100% <b>CV</b>		5 mV	5 mV	5 mV
Line 198 - 265 V AC <b>CV</b>		5 mV	5 mV	5 mV
Load 0 - 100% <b>CC</b>		30 mA	10 mA	10 mA
Line 198 - 265 V AC <b>CC</b>		30 mA	10 mA	10 mA
<b>Ripple + noise</b> , rms / p-p <b>CV</b>		5 / 25 mV	5 / 25 mV	5 / 25 mV
<b>CC</b>		15 / 50 mA	5 / 15 mA	5 / 15 mA
<b>Programming speed</b> 0 → Vmax		10 ms	12 ms	15 ms
<b>Output impedance</b> 0-100 kHz <b>CV</b>		0.1 Ohm	0.1 Ohm	0.1 Ohm
<b>Temp. coeff.</b> , per °C <b>CV</b>			5.10 <sup>-5</sup>	
<b>CC</b>			1.10 <sup>-4</sup>	
<b>Stability</b> during 8 hrs after 1hr warmup <b>CV</b>			5.10 <sup>-4</sup>	
<b>CC</b>			1.10 <sup>-3</sup>	

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

<b>Recovery time</b> 50 - 100% load step	: 100 $\mu$ s (S6-40, S28-10) 200 $\mu$ s (S15-18)
<b>Insulation</b> Input/Output	: 3750 Vrms (1 min.) 8mm creepage/clearance
Input/case Output/case	: 2500 Vrms (1 min.) 500 V DC
<b>Safety</b>	: EN 60950 EN 61010
<b>EMC</b> CE	: EN50081-1 EN50082-1 and -2
Emission Immunity	: EN55022-B EN61000-4-2/ -4-4/ -4-5/ -4-11 ENV50140, 50141, 50204
<b>Operating ambient temp.</b>	: -20 to +50 °C
<b>Thermal protection</b>	: Output shuts down in case of insufficient cooling
<b>Series operation</b>	: Max. 600 V total voltage

<b>Remote sensing</b>	: Max. 2 V per lead
<b>OVP adjust range</b>	: 5 - 35 V
<b>Mounting</b>	: Vertical airflow through the unit should not be ob- structed
<b>Cooling</b>	: Natural convection cool- ing, no blower, no noise.
<b>MTBF</b>	: 500 000 hrs
<b>Standby input power</b>	: 4 W
<b>Hold-up time</b> 100 % load, 220 VAC 50 % load, 220 VAC	: 20 ms 40 ms
<b>Dimensions (h x w x d)</b>	: 106 x 194.5 x 166 mm
<b>Case</b>	: DIN 41494 / IP20
<b>Connectors</b>	: H15 (DIN 41612)
<b>Weight</b>	: 2.8 kg



Eurorack mounting  
with front panel FP40



Wall mounting with front  
panel FPW



Redundant adapter  
RA 10 for S28 - 10