

# Schaltnetzteile SPS

# 750 W

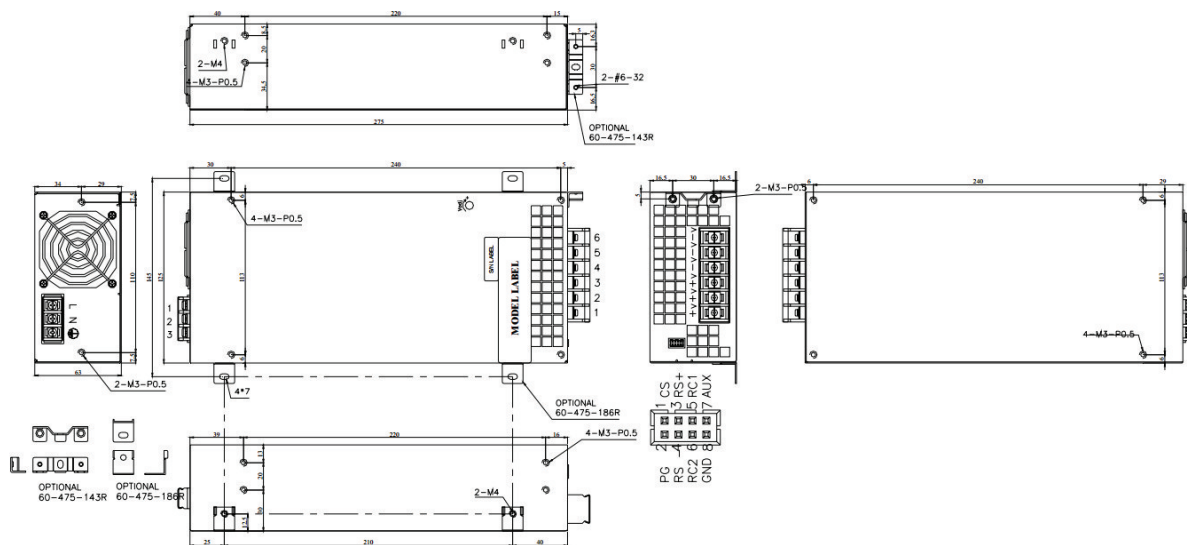


- Integrierter EMV Filter
- 100% Burn In
- Kurzschlussicher, überlast-, überspannungs- und übertemperaturfest
- Eingangsspannung  
90 – 264 VAC / 127 – 375 VDC
- Powerfaktorkorrektur
- Parallelschaltung 2 + 1 bis 2250 W



Artikelnummer	Typ	Ausgangs- spannung	Ausgangs- strom	Toleranz	Wirkungsgrad	Ripple	Preis / CHF 1 Stück
2 081 110	SPS-750P-05	5.0 VDC	120.00 A	+/- 2%	80%	120 mV	255.-
2 081 111	SPS-750P-12	12.0 VDC	62.50 A	+/- 1%	88%	120 mV	255.-
2 081 112	SPS-750P-15	15.0 VDC	50.00 A	+/- 1%	88%	120 mV	255.-
2 081 113	SPS-750P-24	24.0 VDC	31.30 A	+/- 1%	88%	200 mV	255.-
2 081 114	SPS-750P-30	30.0 VDC	25.00 A	+/- 1%	89%	200 mV	255.-
2 081 115	SPS-750P-36	36.0 VDC	21.00 A	+/- 1%	89%	220 mV	255.-
2 081 116	SPS-750P-48	48.0 VDC	15.80 A	+/- 1%	90%	240 mV	255.-

## Abmessungen



Kategorie: 5A



## Spezifikationen

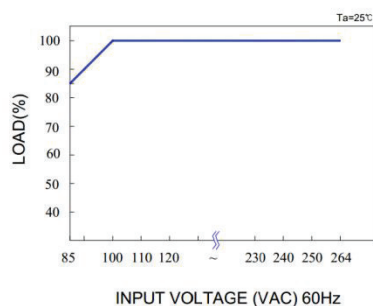
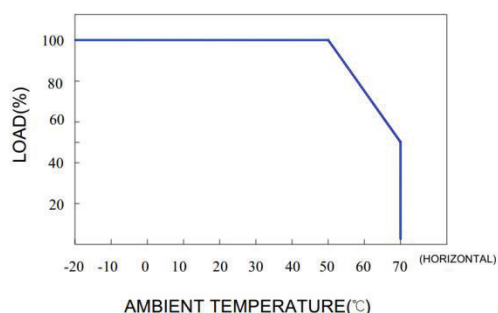
Alle Spezifikationen gelten bei Nominalwerten, Vollast und 25 °C

Eingangsspezifikationen	
Eingangsspannungsbereich	90 – 264 VAC /127 – 375 VDC Universal Eingang
Frequenzbereich	47 – 63 Hz
Eingangsnennstrom	< 9.8 A bei 100 VAC
Einschaltstromstoss	< 50 A bei 115 VAC < 90 A bei 230 VAC
Leckstrom	< 1.5 mA bei 264 VAC
Powerfaktor	PF > 0.95

Ausgangsspezifikationen	
Einstellbereich	+/- 10%
Überlastschutz	105% – 135% Constant current limiting
Überspannungsschutz	115% – 140%
Übertemperaturschutz	95°C +/- 5°C
Remote sensing	(RS+, RS-)
Remote Control RC+ / RC-	Siehe separate Beschreibung
Power Good Signal	high level TTL signal
Auxiliary Power	12 V / 0.1 A (nur für Remote control ON/OFF)

Allgemeine Spezifikationen	
Betriebstemperaturbereich	-20 bis +70°C
Derating	+50°C bis +70°C 2.5% /°C
Lagertemperatur	-40°C bis +85°C
Sicherheit	UL 60950-1 2 <sup>nd</sup> , CSA C22.2 No. 60950-1-07 2 <sup>nd</sup> , TUV EN 60950-1: 2006+A11 +A1+A12, IEC 60950-1: 2005+A1, approved
EMC-Standard	EMI: EN 55022 Class B, FCC CFR 47 Part 15 Class B, EN 61000-3-3, EN 61000-3-2 Class D EMS: EN 55024, EN 61000-4-2,3,4,5,6,8,11
Startzeit	< 1.5 s bei 230 VAC
Überbrückungszeit	> 16 ms bei 230 VAC
Rise	< 40 ms
Isolationsspannung	I/P – O/P 3.0 KVAC I/P – PE 1.5 KVAC O/P – PE 0.5 KVAC
Isolationswiderstand	I/P – O/P, I/P – PE, O/P – PE > 100 M Ohm / 500 VDC
MTBF	107 Khrs
Kühlung	eingebauter Ventilator
Montage	Chassismontage
Abmessungen	275 x 125 x 63 mm
Gewicht	2.5 kg

### Derating



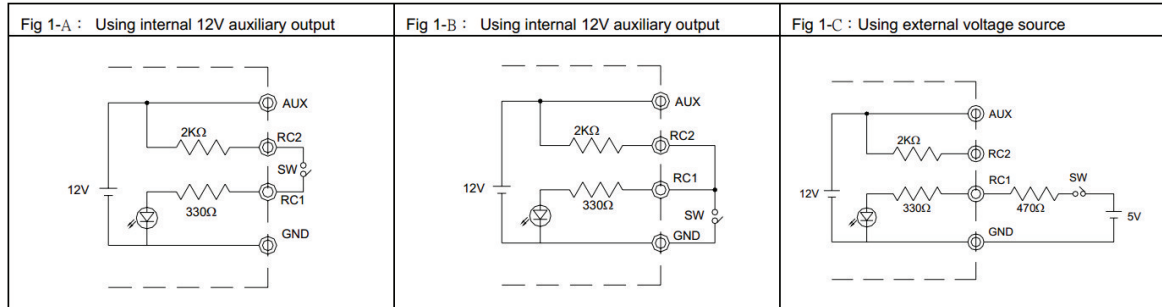
## Remote control ON/OFF

- 1 Remote control ON/OFF becomes available by applying voltage in CN3
- 2 Table A shows the specification of remote control ON/OFF function
- 3 Fig 1 shows the example to connect remote control ON/OFF function

Table A : Specification of remote control ON/OFF

Connection Method		Fig 1-A	Fig 1-B	Fig 1-C
SW Logic	Output ON	SW Open	SW Close	SW Open
	Output OFF	SW Close	SW Open	SW Close

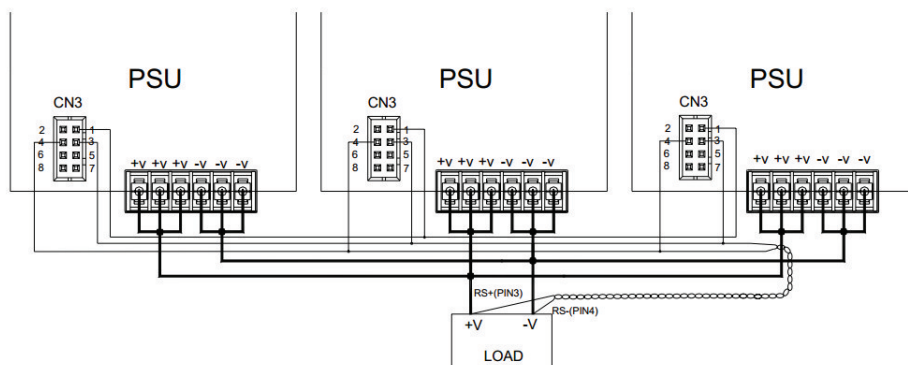
Fig 1 Examples of connecting remote control ON/OFF



## Current sharing with remote sensing

- 1 Parallel operation is available by RS+ and RS- are connected mutually in parallel.
- 2 Difference of output voltages among parallel units should be less than 100 mV.
- 3 In parallel operation 3 units is the maximum, please consult the manufacturer for applications of more connecting in parallel.
- 4 The power supplies should be paralleled using short and large diameter wiring and then connected to the load.
- 5 Each output could work within **max load** but must under total **output Max.**  

$$(\text{Total output Max. at parallel operating}) = (\text{max load per units}) \times (\text{Number of units}) \times 0.9$$
- 6 In parallel connection, maybe only one unit (master) operate if the total **output Max.** is less than 10% of **max load** condition.  
 The other PSUs (slaves) may go into standby mode and their output LEDs will not turn on.



## Power good signal

Function	Description	Output
Power good signal	The signal is "High" when the power supply is above 20% of the rated output voltage, Power OK	High
	The signal turns to be "Low" when the power supply is Under 20% of the rated output voltage, Power Fail	Low

