

Schaltnetzteile SPS

960 W

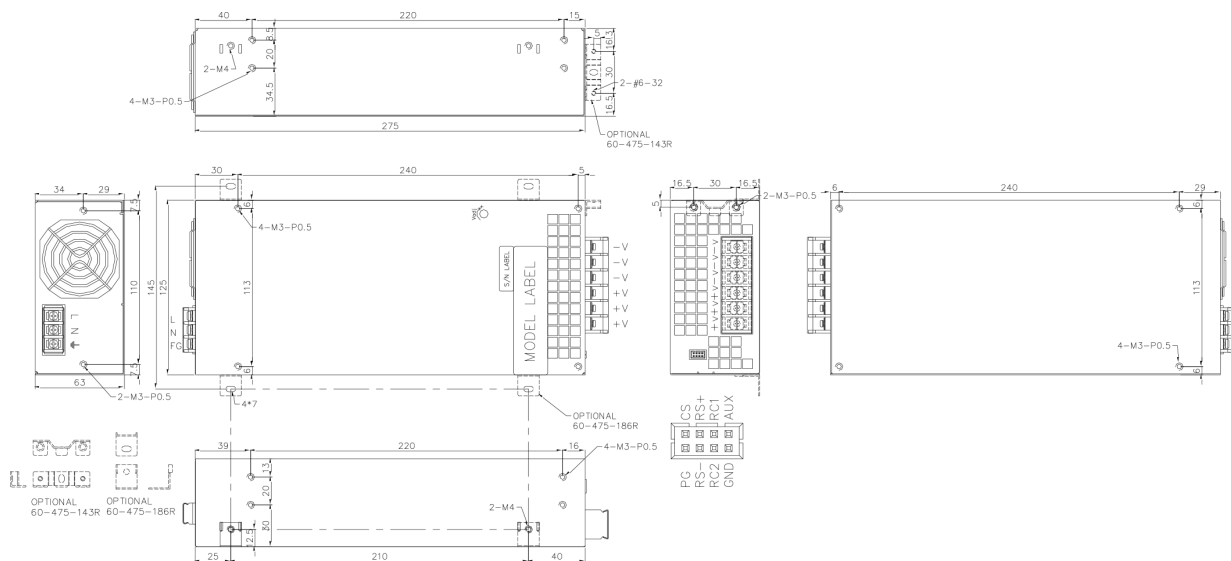


- Integrierter EMV Filter
- 100% Burn In
- Kurzschlussicher, überlast-, überspannungs und übertemperaturfest
- Eingangsspannung
90 – 264 VAC / 127 – 375 VDC
- Powerfaktorkorrektur
- Parallelschaltung 2 + 1 bis 2592 W



Artikelnummer	Typ	Ausgangsspannung	Ausgangsstrom		Toleranz	Wirkungsgrad	Ripple
			100~199 VAC	200~240 VAC			
2 081 205	SPS-960P-12	12.0 VDC	67.00 A	80.00 A	+/- 1%	87%	150 mV
2 081 206	SPS-960P-15	15.0 VDC	54.00 A	64.00 A	+/- 1%	88%	150 mV
2 081 207	SPS-960P-24	24.0 VDC	34.00 A	40.00 A	+/- 1%	88%	200 mV
2 081 208	SPS-960P-27	27.0 VDC	30.20 A	35.60 A	+/- 1%	89%	250 mV
2 081 209	SPS-960P-48	48.0 VDC	17.00 A	20.00 A	+/- 1%	89%	250 mV

Abmessungen



Kategorie: 5A



Spezifikationen

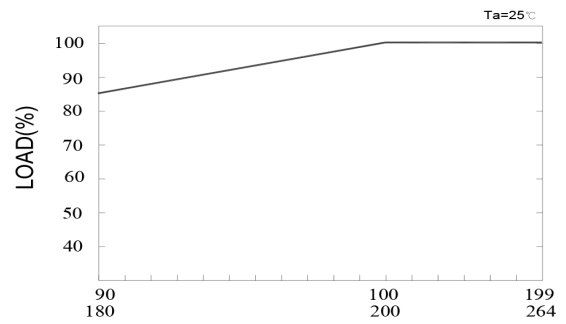
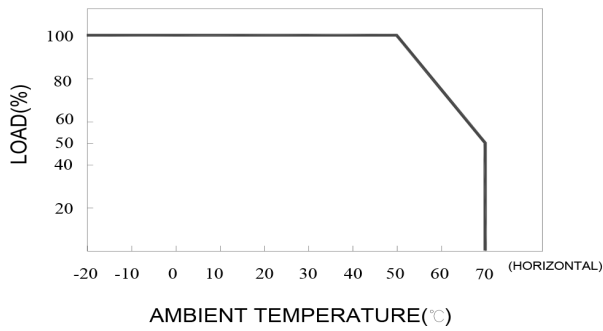
Alle Spezifikationen gelten bei Nominalwerten, Volllast und 25 °C

Eingangsspezifikationen	
Eingangsspannungsbereich	90 – 264 VAC /127 – 375 Universal Eingang
Frequenzbereich	47 – 63 Hz
Eingangsnennstrom	< 10.5 A bei 100~199 VAC < 6.5 A bei 200~240 VAC
Einschaltstromstoss	< 50 A bei 115 VAC < 90 A bei 230 VAC
Leckstrom	< 1.5 mA bei 264 VAC
Powerfaktor	PF > 0.95 bei 230 VAC PF > 0.99 bei 115 VAC

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
Power Good Signal	high level TTL signal
Auxiliary Power	12 V / 0.3 A (nur für control ON/OFF)

Allgemeine	
Betriebstemperaturbereich	-20 bis +70°C
Derating	+50°C bis +70°C 2.5% /°C
Lagertemperatur	-40°C bis +85°C
Sicherheit	UL 62368-1 2nd, CSA C22.2 No. 62368-1-14 2nd, IEC 62368-1:2014
EMC-Standard	EMI: Conducted EN 55032 Class B Radiated EN 61000 Class B Harmonic EN 61000-3-2 Class A Voltage Flicker EN 61000-3-3 EMS: ESD EN 61000-4-2 Level 3 Radiated EN 61000-4-3 Level 3 EFT / Burst EN 61000-4-4 Level 3 Surge EN 61000-6-2 Level 4 Conducted EN 61000-4-6 Level 3 Magnetic Field EN 61000-4-8 Level 3 Voltage Dips and EN 61000-4-11
Startzeit	< 2.0 s bei 230 VAC
Überbrückungszeit	> 16 ms bei 230 VAC
Rise	< 50 ms
Isolationsspannung	I/P – O/P 3.0 I/P – FG 1.8 KVAC O/P – FG 0.5 KVAC
Isolationswiderstand	I/P – O/P, I/P – FG, O/P – > 100 M Ohm / 500 VDC
MTBF	84.17 Khrs
Kühlung	eingebauter Ventilator
Montage	Chassismontage
Abmessungen	275 x 125 x 63 mm
Gewicht	2.5 kg

Derating



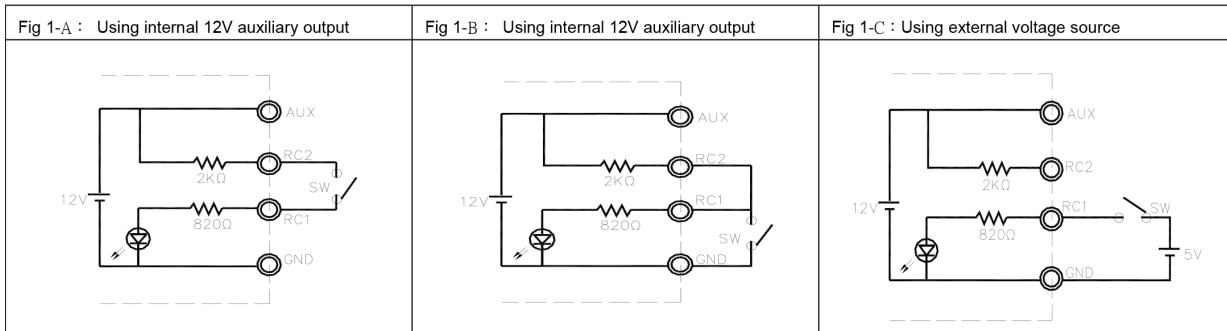
Remote control ON/OFF

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

Table A : Specification of remote control ON/OFF

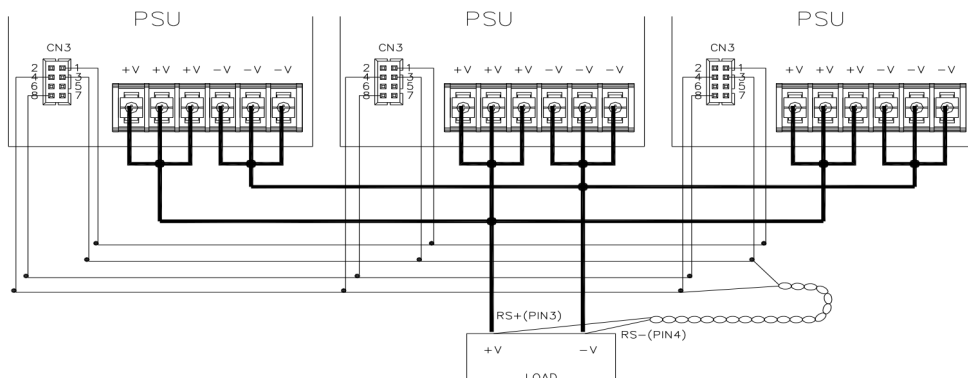
Connection Method	Fig 1-A	Fig 1-B	Fig 1-C
SW Logic	Output ON	SW Open	SW Open
	Output OFF	SW Close	SW Open
		SW Close	SW Close

Fig 1 Examples of connecting remote control ON/OFF



Current sharing with remote sensing

- ❶ Parallel operation is available by RS+ and RS- are connected mutually in parallel.
- ❷ Difference of output voltages among parallel units should be less than 100 mV.
- ❸ In parallel operation 3 units is the maximum, please consult the manufacturer for applications of more connecting in parallel.
- ❹ The power supplies should be paralleled using short and large diameter wiring and then connected to the load.
- ❺ Each output could work within **max load** but must under total **output Max.**
 (Total **output Max.** at parallel operating) = (**max load** per units) X (Number of units) X 0.9
- ❻ 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