





Size:

7.835 x 4.134 x 1.614 inches 199.0 x 105.0 x 41.0 mm

Weight:

2.27 lbs (1.03kg)

FEATURES

- RoHS Compliant
- Built-in Active PFC, PF > 0.90

Rev C

- Up to 457 Watts Output Power
- +5V/0.3A Auxiliary Output
- 150% Peak Load Capability
- Power OK Signal
- Constant Current Limit

- High Efficiency up to 93%
- 3000VAC (4242VDC) I/O Isolation
- Remote ON/OFF, Remote Sense Functions
- Universal Input Voltage Range: 90~264VAC (127~370VDC)
- Protection: SCP / OLP / OVP / OTP / Fan Failure
- 12V, 24V, 30V, 36V, & 48VDC Single Output Models
- UL 60950-1 and EN60950-1 Safety Approvals

DESCRIPTION

The PSAK450 series of AC/DC switching power supplies provides up to 457 Watts of output power in a 7.835" x 4.134" x 1.614" enclosed case. This series consists of single output models ranging from 12VDC to 48VDC with an input voltage range of 90~264VAC (127~370VDC). Standard features include high efficiency up to 93%, active PFC, remote on/off, remote sense, and power OK signal. This series also has short circuit, over load, over voltage, and over temperature protection. All models are RoHS compliant and have UL 60950-1 and EN60950-1 safety approvals.

MODEL SELECTION TABLE									
Model Number	Input Voltage (2)	Output Voltage	Output Current	Over Voltage Protection	Output Power	Ripple & Noise (1)	Efficiency		
PSAK-450-12	90 ~ 264 VAC (127 ~ 370 VDC)	12 VDC	37.5A	14.4 ~ 15.6 VDC	450W	120mVp-p	89%		
PSAK-450-24		24 VDC	19A	28.8 ~ 31.2 VDC	456W	240mVp-p	91%		
PSAK-450-30		30 VDC	15A	36.0 ~ 39.0 VDC	450W	300mVp-p	91%		
PSAK-450-36		36 VDC	12.7A	43.2 ~ 46.8 VDC	457W	360mVp-p	92%		
PSAK-450-48		48 VDC	9.5A	57.8 ~ 62.4 VDC	456W	480mVp-p	93%		

NOTES

04/04/2014

1. Ripple & noise is measured at 20MHz limited bandwidth and using a 12" twisted pair-wire terminated with a 0.1µF & 47µF capacitors in parallel.

2. For voltages near the low end of the input voltage range, see the derating curve for the power supply output rating.

3. The power supply is considered a component which will be installed into final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

Due to advances in technology, specifications are subject to change without notice.

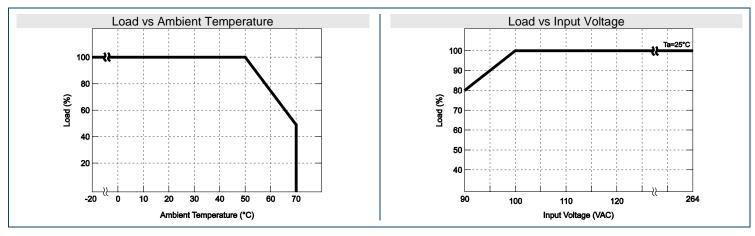


All specifica	tions are based on 25°C, Nominal Input Voltage, and Maximum Output Current u We reserve the right to change specifications based on technological adva	nces			
SPECIFICATION	TEST CONDITIONS	Min	Тур	Max	Unit
INPUT SPECIFICATIONS			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , , , , , , , , , , , , , , , , , ,	
	AC input voltage range	90		264	VAC
Input Voltage (See Note 2)	DC input voltage range	127		370	VDC
Input Frequency		47		63	Hz
AC Current	At 115VAC and full load		4.5		A
	At 230VAC and full load		2.2		
Inrush Current	At 115VAC and cold start		27		Α
	At 230VAC and cold start		54		
Power Factor	At 115VAC and full load		0.99		_
	At 230VAC and full load		0.98		
OUTPUT SPECIFICATIONS			Coo 7	Tabla	
Output Voltage	Includes act up tolerance, line regulation, and load regulation	1.0	See 1		%
Voltage Tolerance Voltage Adjustability	Includes set-up tolerance, line regulation, and load regulation Typical adjustment by potentiometer	-1.0 -10		+1.0	%
				-	%
Line Regulation Load Regulation	Low Line to High Line 0% to 100% full load	-0.5		+0.5	%
Output Power		-0.5	Sec. 7		70
Output Power Output Current		See Table See Table			
Ripple & Noise	Measured at 20MHz bandwidth and with 0.1µF and 47µF capacitors in parallel		See		%
Hold-up Time	At 230VAC and full load	16			
Setup Time	full load	10	800		ms
Rise Time	full load		60		ms
	0~50°C	-0.02	00	+0.02	ms %/°0
Temperature Coefficient PROTECTION	0~50 C	-0.02		+0.02	%/ C
PROTECTION	See Table				
Over Load Protection	Hiccup mode: when the rated output power is within 105~150% for more than 3 Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times	PSU will sh			
	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink	PSU will sh wn. User mu	ust re-powe		
Over Temperature Protection	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature	PSU will sh wn. User mu	ust re-powe		
Over Temperature Protection GENERAL SPECIFICATIONS	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature	PSU will sh wn. User mu	ust re-powe	er on to reco	
Over Temperature Protection GENERAL SPECIFICATIONS	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature	PSU will sh wn. User mu goes down	ust re-powe i) See 1	er on to reco Fable	
Over Load Protection Over Temperature Protection GENERAL SPECIFICATIONS Efficiency	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature Input to Output	PSU will sh wn. User mu goes down	ust re-powe) See 1 4242VDC (Fable	
Over Temperature Protection GENERAL SPECIFICATIONS	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut down Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature Input to Output Input to FG Conducted test without enclosure	PSU will sh wn. User mu goes down	ust re-powe) See 1 4242VDC (2121VDC (Fable (3000VAC) (1500VAC)	
Over Temperature Protection GENERAL SPECIFICATIONS Efficiency Isolation Voltage	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature Input to Output Input to FG Output to FG	PSU will sh wn. User mu goes down	ust re-powe) See 1 4242VDC (Fable (3000VAC) (1500VAC)	over)
Over Temperature Protection GENERAL SPECIFICATIONS Efficiency Isolation Voltage Isolation Resistance	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature Input to Output Input to FG Output to FG Input to output, input to FG, output to FG; 500VDC	PSU will sh wn. User mu goes down	ust re-powe) See 1 4242VDC (2121VDC (Fable 3000VAC) 1500VAC) 500VAC)	over)
Over Temperature Protection GENERAL SPECIFICATIONS Efficiency Isolation Voltage Isolation Resistance Leakage Current	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature Input to Output Input to FG Output to FG	PSU will sh wn. User mu goes down	ust re-powe) See 1 4242VDC (2121VDC (Fable (3000VAC) (1500VAC)	over)
Over Temperature Protection GENERAL SPECIFICATIONS Efficiency Isolation Voltage Isolation Resistance Leakage Current FUNCTIONS	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature Input to Output Input to FG Output to FG Input to output, input to FG, output to FG; 500VDC	PSU will sh wn. User mu goes down	ust re-powe) See 1 4242VDC (2121VDC (707VDC (Fable 3000VAC) 1500VAC) 500VAC) 1.0	over)
Over Temperature Protection GENERAL SPECIFICATIONS Efficiency Isolation Voltage Isolation Resistance Leakage Current FUNCTIONS Auxiliary Power	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature Input to Output Input to FG Output to FG Input to output, input to FG, output to FG; 500VDC At 240VAC	PSU will sh wn. User mu goes down	ust re-power) See 1 4242VDC (2121VDC (707VDC (+5V / 0.3	Fable 3000VAC) 1500VAC) 500VAC) 1.0 3A(±3%)	over) MΩ mA
Over Temperature Protection GENERAL SPECIFICATIONS Efficiency Isolation Voltage Isolation Resistance Leakage Current FUNCTIONS Auxiliary Power Remote ON/OFF Control	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature Input to Output Input to FG Output to FG Input to output, input to FG, output to FG; 500VDC At 240VAC Extern	PSU will sh wn. User mu goes down 	ust re-power) See 1 4242VDC (2121VDC (707VDC (+5V / 0.3 r NPN trans	Fable 3000VAC) 1500VAC) 500VAC) 1.0 3A(±3%) sistor to turm	MΩ mA
Over Temperature Protection GENERAL SPECIFICATIONS Efficiency Isolation Voltage Isolation Resistance Leakage Current FUNCTIONS Auxiliary Power Remote ON/OFF Control Power OK Signal	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature Input to Output Input to FG Output to FG Input to output, input to FG, output to FG; 500VDC At 240VAC Extern Open drain signal low when PSU turns on; sink co	PSU will sh wn. User mu goes down 	ust re-power) See 1 4242VDC (2121VDC (707VDC (+5V / 0.3 r NPN trans	Fable 3000VAC) 1500VAC) 500VAC) 1.0 3A(±3%) sistor to turm	MΩ mA
Over Temperature Protection GENERAL SPECIFICATIONS Efficiency Isolation Voltage Isolation Resistance Leakage Current FUNCTIONS Auxiliary Power Remote ON/OFF Control Power OK Signal ENVIRONMENTAL SPECIFIC	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature Input to Output Input to FG Output to FG Input to output, input to FG, output to FG; 500VDC At 240VAC Extern Open drain signal low when PSU turns on; sink co	PSU will sh wn. User mu goes down 	ust re-power) See 1 4242VDC (2121VDC (707VDC (+5V / 0.3 r NPN trans	Fable 3000VAC) 1500VAC) 500VAC) 1.0 3A(±3%) sistor to turm	MΩ mA
Over Temperature Protection GENERAL SPECIFICATIONS Efficiency Isolation Voltage Isolation Resistance Leakage Current FUNCTIONS Auxiliary Power Remote ON/OFF Control Power OK Signal ENVIRONMENTAL SPECIFIC Operating Temperature	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature Input to Output Input to FG Output to FG Input to output, input to FG, output to FG; 500VDC At 240VAC Extern Open drain signal low when PSU turns on; sink current Cations	PSU will sh wn. User mu goes down 100 all switch or urrent: 20m/	ust re-power) See 1 4242VDC (2121VDC (707VDC (+5V / 0.3 r NPN trans	Fable 3000VAC) 1500VAC) 500VAC) 1.0 3A(±3%) sistor to turn in voltage:	MΩ mA ON/OF 40V ma
Over Temperature Protection GENERAL SPECIFICATIONS Efficiency Isolation Voltage Isolation Resistance Leakage Current FUNCTIONS Auxiliary Power Remote ON/OFF Control Power OK Signal ENVIRONMENTAL SPECIFIC Operating Temperature Storage Temperature	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature Input to Output Input to FG Output to FG Input to output, input to FG, output to FG; 500VDC At 240VAC Extern Open drain signal low when PSU turns on; sink current Cations	PSU will sh wn. User mu goes down 100 all switch or urrent: 20m/ -20	ust re-power) See 1 4242VDC (2121VDC (707VDC (+5V / 0.3 r NPN trans	Fable 3000VAC) 1500VAC) 500VAC) 1.0 3A(±3%) sistor to turn in voltage: +70	wer) MΩ mA ON/Of 40V ma
Over Temperature Protection GENERAL SPECIFICATIONS Efficiency Isolation Voltage Isolation Resistance Leakage Current FUNCTIONS Auxiliary Power Remote ON/OFF Control Power OK Signal ENVIRONMENTAL SPECIFIC Operating Temperature	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature Input to Output Input to FG Output to FG Input to output, input to FG, output to FG; 500VDC At 240VAC Extern Open drain signal low when PSU turns on; sink current At 240VAC	PSU will sh wn. User mu goes down 100 all switch or urrent: 20m, -20 -40	ust re-power) See 1 4242VDC (2121VDC (707VDC (+5V / 0.3 r NPN trans	Fable 3000VAC) 1500VAC) 1500VAC) 500VAC) 1.0 3A(±3%) sistor to turm ain voltage: +70 +85	over) MΩ mA ON/OI 40V ma 2°C °C °C % RI
Over Temperature Protection GENERAL SPECIFICATIONS Efficiency Isolation Voltage Isolation Resistance Leakage Current FUNCTIONS Auxiliary Power Remote ON/OFF Control Power OK Signal ENVIRONMENTAL SPECIFIC Operating Temperature Storage Temperature Operating Humidity	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature Input to Output Input to FG Output to FG Input to output, input to FG, output to FG; 500VDC At 240VAC Extern Open drain signal low when PSU turns on; sink current At 240VAC	PSU will sh wn. User mu goes down 100 all switch or urrent: 20m/ -20 -40 20 10	ust re-powe) 4242VDC (2121VDC (707VDC (+5V / 0.3 r NPN trans A max.; dra	Fable 3000VAC) 1500VAC) 1500VAC) 500VAC) 1.0 3A(±3%) sistor to turm ain voltage: +70 +85 90 90	MΩ mA ON/OF 40V ma °C °C °C % RI % RI
Over Temperature Protection GENERAL SPECIFICATIONS Efficiency Isolation Voltage Isolation Resistance Leakage Current FUNCTIONS Auxiliary Power Remote ON/OFF Control Power OK Signal ENVIRONMENTAL SPECIFIC Operating Temperature Storage Temperature Operating Humidity Storage Humidity Cooling Vibration	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature Input to Output Input to FG Output to FG Input to output, input to FG, output to FG; 500VDC At 240VAC Extern Open drain signal low when PSU turns on; sink current At 240VAC	PSU will sh wn. User mu goes down 100 100 -20 -40 20 10 Load ar	ust re-powe) See 1 4242VDC (2121VDC (707VDC (+5V / 0.3 r NPN trans A max.; dra	Fable 3000VAC) 1500VAC) 1500VAC) 500VAC) 1.0 3A(±3%) sistor to turm in voltage: +70 +85 90 95 ture control 95	MΩ mA ON/OI 40V ma °C °C °C % Ri % Ri led fan
Over Temperature Protection GENERAL SPECIFICATIONS Efficiency Isolation Voltage Isolation Resistance Leakage Current FUNCTIONS Auxiliary Power Remote ON/OFF Control Power OK Signal ENVIRONMENTAL SPECIFIC Operating Temperature Storage Temperature Operating Humidity Storage Humidity Cooling Vibration	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature Input to Output Input to FG Output to FG Input to output, input to FG, output to FG; 500VDC At 240VAC Extern Open drain signal low when PSU turns on; sink current With derating (see derating curve) Non-condensing 10~500Hz, 5G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes. Com HRS certified MIL-HDBK-217F	PSU will sh wn. User mu goes down 100 100 -20 -40 20 10 Load ar	ust re-powe) See 1 4242VDC (2121VDC (707VDC (+5V / 0.3 r NPN trans A max.; dra	Fable 3000VAC) 1500VAC) 1500VAC) 500VAC) 1.0 3A(±3%) sistor to turm in voltage: +70 +85 90 95 ture control 95	MΩ mA ON/OI 40V ma °C °C °C % RI % RI led fan i4
Over Temperature Protection GENERAL SPECIFICATIONS Efficiency Isolation Voltage Isolation Resistance Leakage Current FUNCTIONS Auxiliary Power Remote ON/OFF Control Power OK Signal ENVIRONMENTAL SPECIFIC Operating Temperature Storage Temperature Storage Temperature Operating Humidity Storage Humidity Storage Humidity Cooling Vibration MTBF PHYSICAL SPECIFICATIONS	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature Input to Output Input to FG Output to FG Input to output, input to FG, output to FG; 500VDC At 240VAC Extern Open drain signal low when PSU turns on; sink current With derating (see derating curve) Non-condensing 10~500Hz, 5G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes. Com HRS certified MIL-HDBK-217F	PSU will sh wn. User mu goes down 100 100 -20 -40 20 10 Load ar mpliance to l	ust re-powe) See 1 4242VDC (2121VDC (707VDC (+5V / 0.3 r NPN trans A max.; dra A max.; dra	Prior Construction Fable 3000VAC) 3000VAC) 1500VAC) 500VAC) 1.0 3A(±3%) 1.0 3Sistor to turm 1.0 3A(±3%) 1.0 470 +85 90 95 ture controll 1EC 68-2-6	MΩ mA ON/OI 40V ma °C °C °C % RI % RI led fan i4
Over Temperature Protection GENERAL SPECIFICATIONS Efficiency Isolation Voltage Isolation Resistance Leakage Current FUNCTIONS Auxiliary Power Remote ON/OFF Control Power OK Signal ENVIRONMENTAL SPECIFIC Operating Temperature Storage Temperature Operating Humidity Storage Humidity Storage Humidity Cooling Vibration MTBF PHYSICAL SPECIFICATIONS Weight	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature Input to Output Input to Output Input to FG Output to FG Input to output, input to FG, output to FG; 500VDC At 240VAC Extern Open drain signal low when PSU turns on; sink cu ATIONS With derating (see derating curve) Non-condensing 10–500Hz, 5G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes. Con HRS certified MIL-HDBK-217F	PSU will sh wn. User mu goes down 100 al switch or urrent: 20m/ -20 -40 20 10 Load ar ppliance to I 74,710	ust re-power) See T 4242VDC (2121VDC (707VDC (+5V / 0.3 r NPN trans A max.; dra Max.; dra 1EC 68-2-6, 2.27 lbs	From to record Table 3000VAC) 1500VAC) 500VAC) 500VAC) 1.0 3A(±3%) sistor to turm in voltage: +70 +85 90 95 ture controll IEC 68-2-6 (1.03kg)	MΩ mA ON/OI 40V ma [°] C °C °C % RI % RI led fan 34 hour
Over Temperature Protection GENERAL SPECIFICATIONS Efficiency Isolation Voltage Isolation Resistance Leakage Current FUNCTIONS Auxiliary Power Remote ON/OFF Control Power OK Signal ENVIRONMENTAL SPECIFIC Operating Temperature Storage Temperature Operating Humidity	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature Input to Output Input to Output Input to FG Output to FG Input to output, input to FG, output to FG; 500VDC At 240VAC Extern Open drain signal low when PSU turns on; sink co At 240VAC With derating (see derating curve) Non-condensing 10–500Hz, 5G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes. Corr HRS certified MIL-HDBK-217F S	PSU will sh wn. User mu goes down 100 al switch or urrent: 20m/ -20 -40 20 10 Load ar ppliance to I 74,710	ust re-power) See T 4242VDC (2121VDC (707VDC (+5V / 0.3 r NPN trans A max.; dra Max.; dra 1EC 68-2-6, 2.27 lbs	From to record Table 3000VAC) 1500VAC) 500VAC) 500VAC) 1.0 3A(±3%) sistor to turm in voltage: +70 +85 90 95 ture controll IEC 68-2-6 (1.03kg)	MΩ mA ON/OI 40V ma °C °C °C % RI % RI ked fan k4 hour
Over Temperature Protection GENERAL SPECIFICATIONS Efficiency Isolation Voltage Isolation Resistance Leakage Current FUNCTIONS Auxiliary Power Remote ON/OFF Control Power OK Signal ENVIRONMENTAL SPECIFIC Operating Temperature Storage Temperature Storage Temperature Operating Humidity Storage Humidity Storage Humidity Cooling Vibration MTBF PHYSICAL SPECIFICATIONS Weight Dimensions (L x W x H) SAFETY & EMC (See Note 3) Safety Approvals	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature Input to Output Input to Output Input to FG Output to FG Input to output, input to FG, output to FG; 500VDC At 240VAC Extern Open drain signal low when PSU turns on; sink co At 240VAC With derating (see derating curve) Non-condensing 10–500Hz, 5G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes. Corr HRS certified MIL-HDBK-217F S	PSU will sh wn. User mu goes down 100 100 -20 -40 20 10 Load ar ppliance to I 74,710 4 x 1.614 in	ust re-powe) See T 4242VDC (2121VDC (707VDC (Prior on to record Table (3000VAC) (1500VAC) (500VAC) (1.03kg) 90 95 ture controll (1.03kg) 0 x 105.0 x EN 60950-	MΩ mA ON/OI 40V ma °C °C °C % RI % RI led fan 34 hour 41.0 mi
Over Temperature Protection GENERAL SPECIFICATIONS Efficiency Isolation Voltage Isolation Resistance Leakage Current FUNCTIONS Auxiliary Power Remote ON/OFF Control Power OK Signal ENVIRONMENTAL SPECIFIC Operating Temperature Storage Temperature Operating Humidity Storage Humidity Storage Humidity Cooling Vibration MTBF PHYSICAL SPECIFICATIONS Weight Dimensions (L x W x H) SAFETY & EMC (See Note 3) Safety Approvals EMI (Conduction & Radiation)	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature Input to Output Input to Output Input to FG Output to FG Input to output, input to FG, output to FG; 500VDC At 240VAC Extern Open drain signal low when PSU turns on; sink co At 240VAC With derating (see derating curve) Non-condensing 10–500Hz, 5G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes. Corr HRS certified MIL-HDBK-217F S	PSU will sh wn. User mu goes down 100 100 -20 -40 20 10 Load ar ppliance to I 74,710 4 x 1.614 in	ust re-powe) See T 4242VDC (2121VDC (707VDC (+5V / 0.: r NPN trans A max.; dra Max.; dra LEC 68-2-6, 2.27 lbs ches (199.)	Priori Fable (3000VAC) (1500VAC) (1500VAC) (1000VAC) (1000VAC) (1000VAC) (1000VAC) (1000VAC) (1000VAC) (1000VAC) (1000VAC) (1000VAC) (1.03kg) (1.03kg) (1.03kg) (1.03kg) (1.03kg) (1.03kg)	MΩ mA ON/OI 40V ma °C °C °C % RI % RI led fan 34 hour 41.0 mi
Over Temperature Protection GENERAL SPECIFICATIONS Efficiency Isolation Voltage Isolation Resistance Leakage Current FUNCTIONS Auxiliary Power Remote ON/OFF Control Power OK Signal ENVIRONMENTAL SPECIFIC Operating Temperature Storage Temperature Operating Humidity Storage Humidity Storage Humidity Cooling Vibration MTBF PHYSICAL SPECIFICATIONS Weight Dimensions (L x W x H) SAFETY & EMC (See Note 3) Safety Approvals EMI (Conduction & Radiation) Power Harmonic & Voltage	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature Input to Output Input to Output Input to FG Output to FG Input to output, input to FG, output to FG; 500VDC At 240VAC Extern Open drain signal low when PSU turns on; sink co At 240VAC With derating (see derating curve) Non-condensing 10–500Hz, 5G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes. Corr HRS certified MIL-HDBK-217F S	PSU will sh wn. User mu goes down 100 100 -20 -40 20 10 Load ar npliance to I 74,710 4 x 1.614 in	ust re-powe) See T 4242VDC (2121VDC (707VDC (+5V / 0.3 r NPN trans A max.; dra L 60950-1; EN55022	Prior on to record Sable 3000VAC) 1500VAC) 500VAC) 1.0 3A(±3%) sistor to turn ain voltage: +70 +85 90 95 ture controll IEC 68-2-6 (1.03kg) 0 x 105.0 x EN 60950-2 Class B	MΩ mA ON/OI 40V ma °C °C °C % R led fan i4 hour 41.0 m
Over Temperature Protection GENERAL SPECIFICATIONS Efficiency Isolation Voltage Isolation Resistance Leakage Current FUNCTIONS Auxiliary Power Remote ON/OFF Control Power OK Signal ENVIRONMENTAL SPECIFIC Operating Temperature Storage Temperature Operating Humidity Storage Humidity Storage Humidity Cooling Vibration MTBF PHYSICAL SPECIFICATIONS Weight Dimensions (L x W x H) SAFETY & EMC (See Note 3) Safety Approvals EMI (Conduction & Radiation)	Constant current limit: > 150% rated power / short circuit Automatic Recovery: If the output drops to 40% of the rated output voltage, the times (If the fault condition still remains after recovering 5 times, the PSU will shut dow Detected on primary and secondary heatsink Protection type: shutdown output voltage (automatic recovery after temperature Input to Output Input to Output Input to FG Output to FG Input to output, input to FG, output to FG; 500VDC At 240VAC Extern Open drain signal low when PSU turns on; sink co At 240VAC With derating (see derating curve) Non-condensing 10–500Hz, 5G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes. Corr HRS certified MIL-HDBK-217F S	PSU will sh wn. User mu goes down 100 all switch or urrent: 20m/ -20 -40 20 10 Load ar npliance to I 74,710 4 x 1.614 in Ul	ust re-power) See 1 4242VDC (2121VDC (707VDC (+5V / 0.; r NPN trans A max.; dra A max.; dra LeC 68-2-6, 2.27 lbs ches (199.0 L 60950-1; EN55022 61000-3-2;	Priori Fable (3000VAC) (1500VAC) (1500VAC) (1000VAC) (1000VAC) (1000VAC) (1000VAC) (1000VAC) (1000VAC) (1000VAC) (1000VAC) (1000VAC) (1.03kg) (1.03kg) (1.03kg) (1.03kg) (1.03kg) (1.03kg)	MΩ mA ON/O 40V ma °C °C % R % R led fan 34 hour 41.0 m 1 3-3

Rev C

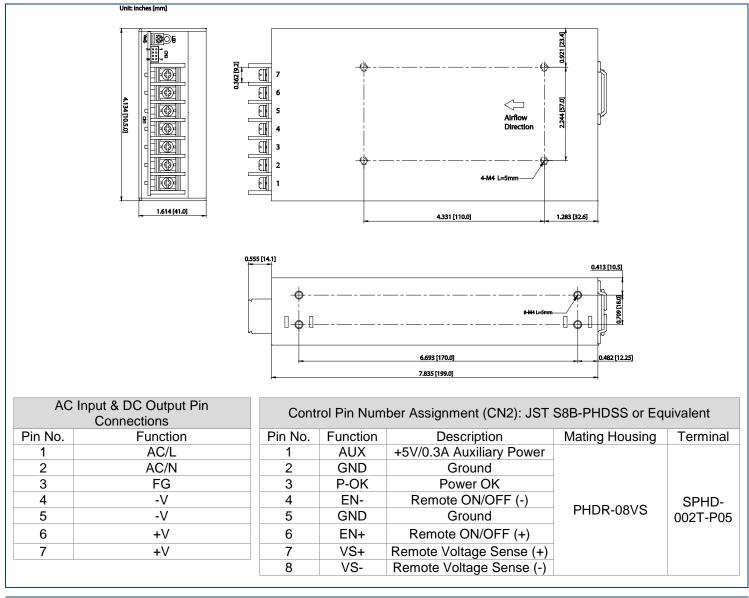


DERATING CURVES ·



Rev C

MECHANICAL DRAWING

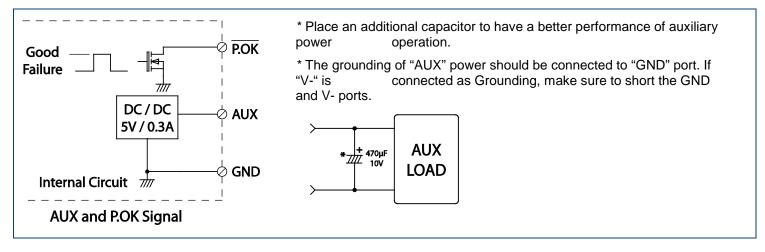


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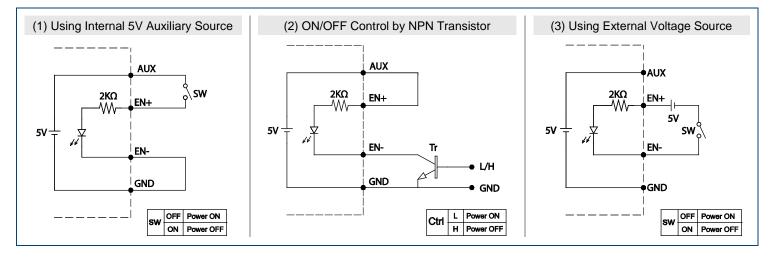


POWER OK SIGNAL & AUXILIARY OUTPUT -

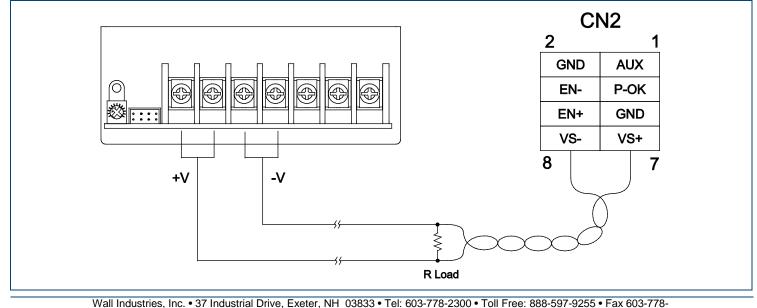


Rev C

REMOTE ON/OFF



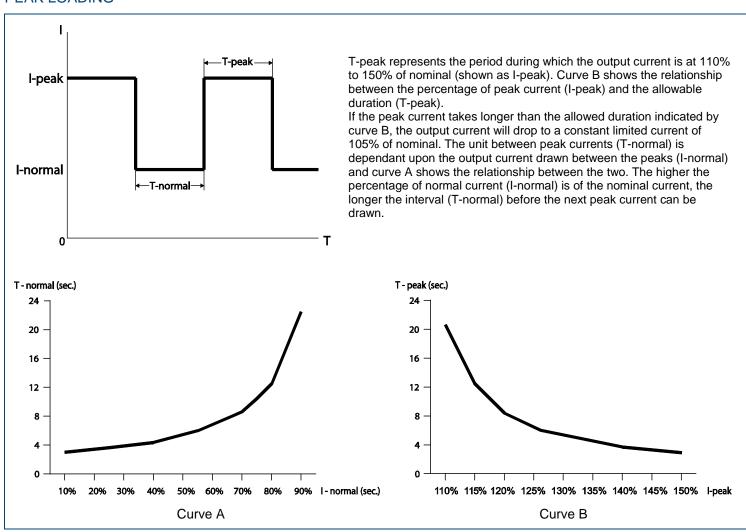
REMOTE SENSE -



04/04/2014



PEAK LOADING -



Rev C

COMPANY INFORMATION -

Wall Industries, Inc. has created custom and modified units for over 50 years. Our in-house research and development engineers will provide a solution that exceeds your performance requirements on-time and on budget. Our ISO9001-2008 certification is just one example of our commitment to producing a high quality, well-documented product for our customers.

Our past projects demonstrate our commitment to you, our customer. Wall Industries, Inc. has a reputation for working closely with its customers to ensure each solution meets or exceeds form, fit and function requirements. We will continue to provide ongoing support for your project above and beyond the design and production phases. Give us a call today to discuss your future projects.

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