

PFT65-xxSX-W6

65 Watt AC/DC Power Supply



FEATURES

- Efficiency : > 89% typical @full load
- No Load Consumption <150mW
- 4.75"X2.5" footprint.
- Operational Altitude up to 5000m
- Main output Power ON LED indicators
- Meet LPS except +5V model, +24V model meet Class 2 Output
- Black Anodized Chassis
- 3 years Warranty

INPUT		
Voltage/ Freq	V	AC90V - 305V 47 / 63Hz
Current	A(rms)	2.5A~115VSC; 1.25A @ 230VAC max
Inrush Current	A	<35A peak @ 115VAC; <65A @ 230VAC cold start @25C°
Power Factor	-	> .95 @ 115vac; > .90@230vac @ full load
Leakage Current	uA	< 100uA @264VA

		Unit	PFT65-05SX-W6	PFT65-12SX-W6	PFT65-15SX-W6	PFT65-18SX-W6	PFT65-24SX-W6	PFT65-28SX-W6	PFT65-48SX-W6	PFT65-54SX-W6	
OUTPUT	Voltage	VDC	5	12	15	18	24	28	48	54	
	Efficiency (Typ)	%	89	89	89	89	89	89	89	89	
	Current	A	8.00	5.42	4.34	3.62	2.71	2.33	1.36	1.21	
	Max Power	W	40	65	65	65	65	65	65	65	
	Regulation	%	+/-3	+/-3	+/-3	+/-3	+/-3	+/-2	+/-2	+/-2	
	Ripple/Noise	mV	100	120	150	180	240	280	280	280	
	DOE Efficiency	Level	VI	VI	VI	VI	VI	VI	VI	VI	
	LPS		N	Y	Y	Y	Y	Y	Y	Y	
	Hold-up Time	mS	>10mS @ full load, 115 VAC								
	Insulation And Dielectric *	Primary-Secondary	4242 VDC (3000 VAC) Reinforce Grade Insulation								
Primary to Ground (Mounting holes or chassis)		2121 VDC (1500 VAC) Basic Grade Insulation									

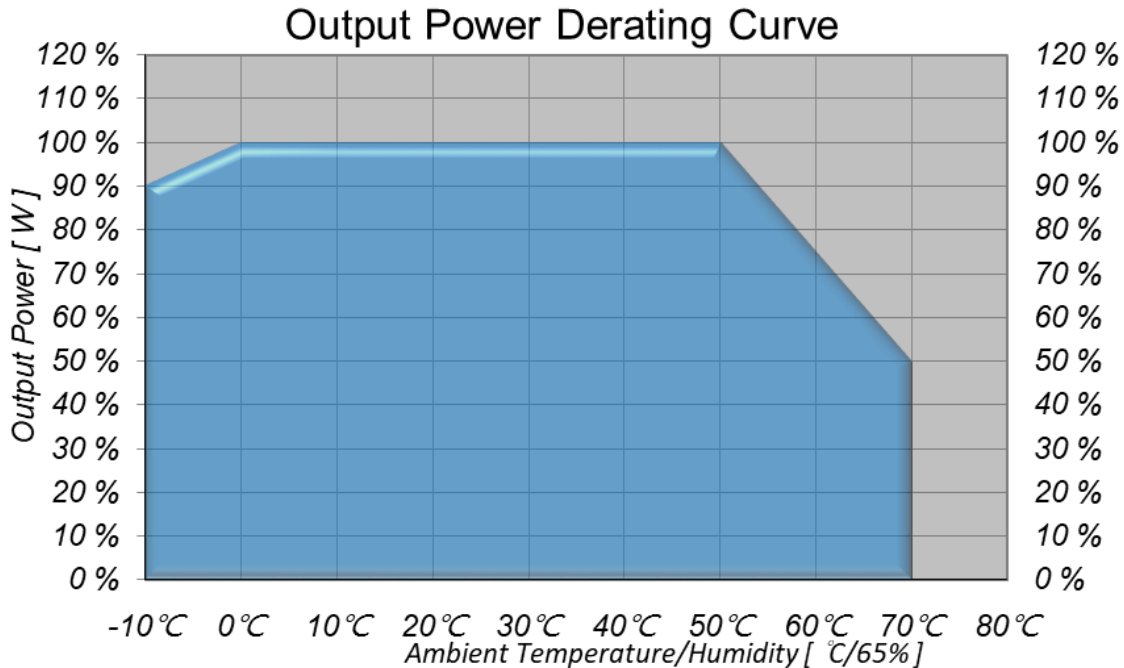
* Note: HI-POT Testing in Production uses a DC voltage test for 4 Sec.



Protection	Overvoltage	Shutdown and latch off; AC recycle to restart
	Overload	105% to 160% maximum rating, Auto-recovery
	Short Circuit	Auto Recovery
Environment	Operating Temp	-10 ~ +70 , (Derate linearly 2.5% per C from 51 to 70C)
	Storage Temp	-20 to +85 C
	Operating Humidity	10~95% , non-condensing
	MTBF	>100,000 hrs.@ full load and 25C ambient temp. per Telcordia (Bellcore TR-332)
Standards	Safety	IEC 62368-1 : 2014 (Second Edition) EN 62368-1 : 2014 + A11 UL 62368-1, 2nd Edition, 2014-12-01
	EMC	EN 55032 & EN 55035 & FCC Part 15 (*) and ICES-003
Size	MM (Inches) /KG (lbs)	L120.7 × W63.5 × H38.1 mm (4.75" x 2.50" x 1.50") / 0.27KG (0.64 lbs)

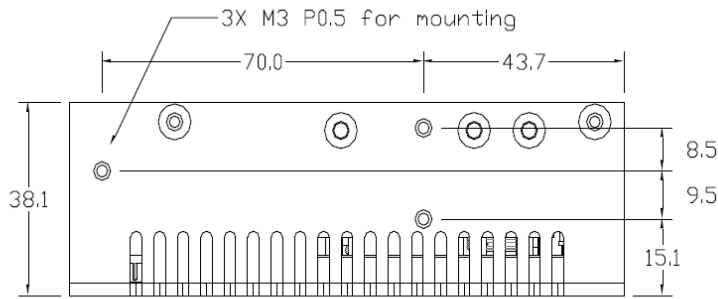
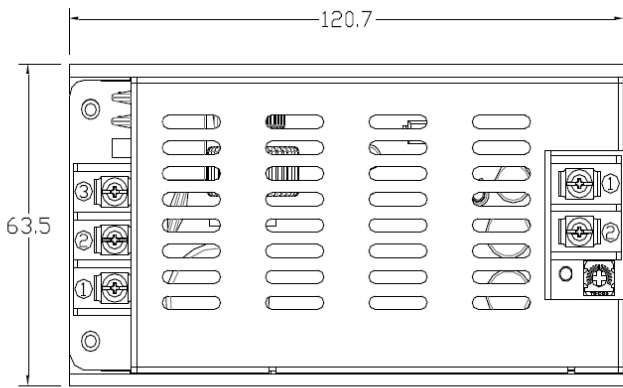
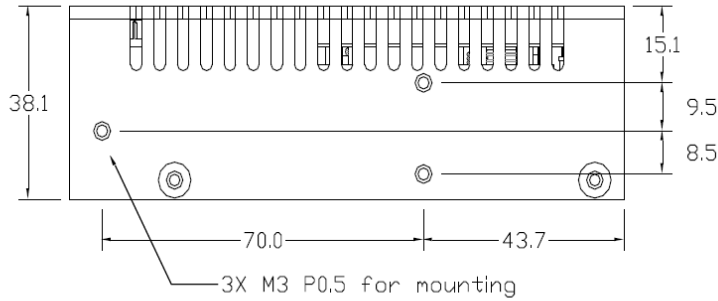
1. Ripple and noise are measured at oscilloscope 20MHz bandwidth by a 10uF electrolytic capacitor and a 0.1uF ceramic capacitor in parallel at output connector.
2. Regulation shows the percentage of absolute value of nominal output voltage.
3. The switching frequency of this series is set within 65KHz at full load.
4. Output voltage set by manufacturer

DERATING CURVE





DIMENSIONAL DRAWING



PIN OUT

CN1: Input Connector

(T) 3-Pole Terminal block pitch: 9.5mm,
rate 20A/300V

Pin #	Signal
1	AC GND
2	AC Neutral
3	AC Line

CN2: Output Connector

(T) 2-Pole Terminal block pitch: 9.5mm,
rate 20A/300V

Pin #	Signal
1	+Vout
2	GND

