

S.M.P.S

LED Converter

Water Proof Converter

F100WQ Series

100W single output with constant voltage and PFC function



- **Constant voltage design**
- Built-in PFC function
- Wide input range
- Protections: Over load / Over voltage / Short circuit / Over temperature
- IP68 design for outdoor installations
- 100% full load burn-in test
- Suitable for LED lighting and moving sign applications
- Safety standards : EN61347-1, EN61347-2-13, K61347-1, K61347-2-13
- EMC standards : EN55015, EN61000-3-2,3 / K00015, K61547
- Metal case

IP68      SELV    

ITEM		UPF100S12WQ	UPF100S24WQ
INPUT	VOLTAGE RANGE	AC90~305V	
	FREQUENCY RANGE	47~63Hz	
	POWER FACTOR	PF>0.95 at over 60% of rated power	
	EFFICIENCY(typ.)	86%	87%
	AC CURRENT(typ.)	1.1A/115VAC (typ) 0.6A/230VAC (typ)	
	INRUSH CURRENT(typ.)	COLD START 40A/230VAC	
	LEAKAGE CURRENT	<2.5mA / 230VAC	
OUTPUT	RATED CURRENT	8.33A	4.15A
	RATED POWER	100W	
	CURRENT ACCURACY	±5%	
	RIPPLE&NOISE(max.) Note2	150mVp-p	
	SETUP,RISE TIME(max.)	3000ms,100ms/115VAC at full load	3000ms,100ms/230VAC at full load
	HOLD UP TIME(typ.)	50ms/115VAC at full load	50ms/230VAC at full load
PROTEC-TION	OVER LOAD	Over 100% of rating ; recovers automatically after fault condition is removed	
	SHORT CIRCUIT	Hiccup mode ; recovers automatically after fault condition is removed	
	OVER VOLTAGE	115~140% of rating	
	OVER TEMPERATURE	12V : 110±10℃ 24V : 105±10℃ (Temp. Sensor) ; recovers automatically after fault condition is removed	
ISOLA-TION	WITHSTAND VOLTAGE	I/P-O/P:AC3.75KV, I/P-F.G:AC2KV, O/P-F.G:AC1.5KV	
	ISOLATION RESISTANCE	I/P-O/P, I/P-F.G, O/P-F.G:DC500V 100Mohms(At room temp. & humid.)	
ENVIRON-MENT	WORKING TEMP.&HUMID.	-40~+70℃(Refer to "DERATING CURVE),20~95%RH	
	STORAGE TEMP.&HUMID.	-40~+80℃,10~95%RH	
	VIBRATION	10~500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes	
OTHERS	DIMENSION/WEIGHT	198.6*61.5*36.8mm(L*W*H)/0.76Kg	
NOTE	1. All parameters not specially mentioned are measured at 220vac input, rared load and 25℃ of ambient temperature. 2. ripple & noise are measured at 20MHZ of bandwidth by using a 12" twisted pare-wire terminated with 0.1 uF & 47uF parallel capacitor.		

