

SPECIFICATIONS

Product.	SMPS	Date.	2020.01.06
Model.	CSF1000-S	Rev.	C
Customer.	STANDARD	Page.	1 / 1

DWG	수 석	국 대 현	
CHK	수 석	유 영 문	
APPD	상 무	박 경 수	

MODEL		Unit.	12	15	24	48
INPUT	Voltage , Frequency	[V]	AC90 ~ 264V(47-63Hz)			
	Current Typ.	[A]	6A / 230VAC, 12A / 115VAC			
	Efficiency Typ.	[typ] [%]	83	85	88	90
	Power factor Typ.	[typ] [n]	0.95 / 230VAC, 0.98 / 115VAC			
	Inrush Current Typ.	[A]	40A / 230VAC, 25A / 115VAC			
	Leakage Current Max.	[mA]	<2.0mA / 240VAC			
OUTPUT	Norminal Voltage	[V]	12	15	24	48
	ADJ Voltage Range [typ]	[V]	10 - 14	14 - 17	20 - 27	43 - 53
	current	[A]	0 - 60	0 - 50	0 - 40	0 - 21
	Line Regulations	[%]	±1.0	±1.0	±0.5	±0.5
	(注1) Load Regulations	[%]	±1.0	±1.0	±0.5	±0.5
	Cross Regulations	[%]	-	-	-	-
	Temperature Drift	[%]	-	-	-	-
	Ripple(pk-pk)	[mV]	-	-	-	-
	Ripple & Noise(pk-pk [typ])	[mV]	150	150	150	150
	Turn-on Time max [typ]	[ms]	300ms, 50ms at full load (1sec)			
Hold-up Time Typ.	[ms]	16ms / 230VAC, 16ms / 115VAC at full load				
Function	Over Voltage Protection	[V]	13.8 - 16.8	16.8 - 19.8	27.6 - 32.4	56.6 - 66.2
	Over Current Protection	[A]	63 - 81	53 - 68	42 - 60	22 - 30
	Remote ON.OFF	-	Power ON : Active Low / Power OFF : Active High			
	Remote Sensing	-	Compensate voltage Drop on the load wiring up to 0.5V			
	DC OK Signal	-	The TTL signal out, PSU turn on = 0 ~ 1V ; PSU turn off = 3.3 ~ 5.6V			
	Parallel/Series Operation	-	-			
	Cooling / O.T.P	-	Shut down O/P voltage automatically after temperature goes down			
Electrical Isolation	(1) Input - Output	-	AC 3.0KV 1min, cut-off: 20mA/ DC 500V 100MΩ			
	(2) Input - F.G	-	AC 2.0KV 1min, cut-off: 20mA/ DC 500V 100MΩ			
	(3) Output - F.G	-	AC 0.5KV 1min, cut-off: 100mA/ DC 500V 100MΩ			
Environment	Operating temp. & Humidity	-	- 20 ~ 60°C(Refer to De-rating Curve), 20 ~ 90% RH (Non Condensing)			
	Storage temp. & Humidity	-	- 40 ~ 85°C, 10 ~ 95% RH			
	Vibration	-	10~500Hz , 2G, 10min / 1Cycle, 60min, EaCH Al;ong X,Y,Z			
Dimension	Size(WxHxD) / Weight	mm / g	295 * 127 * H41mm			
Safety	-	-	UL60950-1 Approved, TUV EN60950-1 Approved			
Emission	Conducted Emission	-	Coconducted EN55022 (CISPR22) / EN55011 (CISPR11) Class B Radiated EN55022 (CISPR22) / EN55011 (CISPR11) Class A			
PFHC	-	-	-			

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