

J SERIES JAW-C100W TYPE(WITH COVER)

UL/CSA approved, EN60950(CB) and Electric Appliances And Material Control Law compliant, CE marking product, Input harmonics current requirement compliant

SPECIFICATIONS AND STANDARDS

PART NO.		JAW03-20RC		JAW05-20RC		JAW12-8R5C		JAW24-4R3C		
Rated output voltage and current*1		3.3V • 16A		5V • 16A		12V • 6.8A		24V • 3.5A		
Maximum output power	W	52.8		80		81.6		84		
INPUT CONDITIONS										
Input voltage Eac*2	V	85 to 132/170 to 265[Rating: 100 to 120/200 to 240]								
Input frequency	Hz	47 to 66[Rating: 50 to 60](Single phase)								
Input current	A	1.6yp./1.75max.[AC.100V] 0.8typ./0.88max.[AC.200V]								
Fuse rating	A	5[AC.250V, built-in]								
Surge current*3	A	15typ./30max.[AC.100V] 20typ./30max.[AC.240V] 1st surge current								
Leakage current	mA	0.4typ./1.0max.[AC.100V, 60Hz] 0.65typ./0.75max.[AC.240V, 60Hz]								
Power factor		0.75typ.[AC.100/240V]								
Efficiency	% 100V	72typ.		78typ.		80typ.		82typ.		
	% 240V	74typ.		80typ.		82typ.		85typ.		
OUTPUT CHARACTERISTICS										
Output voltage Edc	V	3.3		5		12		24		
Voltage variable range Edc	V	2.7 to 3.6		4.5 to 5.5		10.8 to 13.2		21.6 to 26.4		
Maximum output current	A	16		16		6.8		3.5		
Minimum output current	A	0		0		0		0		
Overvoltage threshold Edc	V	3.8 to 4.6		6.0 to 6.9		13.7 to 15.7		27.0 to 30.5		
Overcurrent threshold	A	21min.		21min.		8.9min.		4.5min.		
Voltage stability	Input variation	%	0.6max.(0.3typ.)		0.4max.(0.2typ.)[Within the input voltage range]		Total variation ±2.2max.(±1.3typ.) ±2.8max.(±1.6typ.)3.3V			
	Load variation	%	1.2max.(0.9typ.)		0.8max.(0.6typ.)[0 to 100% load]					
	Temperature variation	%	1max.(0.5typ.)[Ambient temperature: -10 to +40°C]							
	Drift	%	0.75max.(0.3typ.)		0.5max.(0.2typ.)[25°C, input and output ratings, after input voltage ON for 30min to 8h]					
	Dynamic load	%/ms	±6/1max.		±4/1max.[50 to 100% sudden load change]					
Ripple Ep-p	mV	80max.		80max.		100max.		150max.		
Ripple noise Ep-p	mV	120max.		120max.		150max.		200max.		
Start up time	ms	400max.(200typ.)/300max.(70typ.)[AC.100/240V]							400max.(250typ.)/ 300max.(100typ.)	
Hold up time	ms	27min.(36typ.)/ 54min.(72typ.)		18min.(24typ.)/36min.(48typ.)[AC.100/240V]						

AUXILIARY FUNCTIONS

Indicator display	No
Overvoltage protection	Voltage shut-down type, recovers upon reset(interval approx. 30s).
Overcurrent protection	Winker operation, output may latch up depending on the condition.
Remote ON-OFF	No
Remote sensing	No
Parallel operation	Impossible
Series operation	Possible
Output voltage external variable function	No

STANDARDS

Safety standards	UL1950, CSA C 22.2 No.950-95, EN60950(CB) approved, Electrical Appliance And Material Control Low compliant.
Noise terminal voltage	FCC class B, VCCI-B, EN55011-B, EN55022-B compliant.
Input harmonics current requirement	EN61000-3-2 compliant.

CONSTRUCTIONS

External dimensions	mm	48×72×252[H×W×L]
Weight	g	1100max.(900typ.)
Mounting method		Can be attached to 2 sides.
Case material(Frame/cover)		Zinc-plated iron/Aluminum

*1 Current rating(maximum output current) is determined for -10 to +25°C. Derating is required when used outside this temperature range.

*2 Warning: The use of input voltage outside of that which is prescribed may result in the power supply specifications not being met or cause damage.

A 3D perspective view of a silver, rectangular power supply unit. The unit features a perforated metal casing for ventilation and is equipped with mounting brackets on its sides. The front panel is visible, showing internal components like a transformer and capacitors. The unit is shown against a plain white background.

Third-angle projection



J SERIES JAW-C150W TYPE(WITH COVER)

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SPECIFICATIONS AND STANDARDS

PART NO.			JAW03-30RC	JAW05-30RC	JAW12-12RC	JAW24-6R3C
Rated output voltage and current* ¹			3.3V • 24A	5V • 24A	12V • 10A	24V • 5.1A
Maximum output power	W		79.2	120	120	122.4
INPUT CONDITIONS						
Input voltage Eac* ²	V		85 to 132/170 to 265[Rating: 100 to 120/200 to 240] Input autoselect			
Input frequency	Hz		47 to 66[Rating: 50 to 60](Single phase)			
Input current	A		1.9typ./2.4max.[AC.100V] 0.9typ./1.3max.[AC.200V]			
Fuse rating	A		5[AC.250V, built-in]			
Surge current* ³	A		10typ./30max.[AC.100V] 30typ./36max.[AC.240V] 1st surge current			
Leakage current	mA		0.45typ./1.0max.[AC.100V, 60Hz] 0.55typ./0.75max.[AC.240V, 60Hz]			
Power factor			0.76typ.[AC.100/240V]			
Efficiency	%	100V	72typ.	80typ.	84typ.	86typ.
	%	240V	72typ.	82typ.	85typ.	88typ.
OUTPUT CHARACTERISTICS						
Output voltage Edc	V		3.3	5	12	24
Voltage variable range Edc	V		2.7 to 3.6	4.5 to 5.5	10.8 to 13.2	21.6 to 26.4
Maximum output current	A		24	24	10	5.1
Minimum output current	A		0	0	0	0
Overvoltage threshold Edc	V		3.8 to 4.6	6.0 to 6.9	13.7 to 15.7	27.0 to 30.5
Overcurrent threshold	A		31.5min.	31.5min.	13.1min.	6.6min.
Voltage stability	Input variation	%	0.6max.	0.4max.(0.2typ.)[Within the input voltage range]		Total variation ±2.0max.(±1.0typ.) ±2.8max.(3.3V)
	Load variation	%	1.5max.	1.5max.(0.6typ.)[0 to 100% load]		
	Temperature variation	%	1max.(0.5typ.)[Ambient temperature: -10 to +71°C]			
	Drift	%	0.6max. 0.4max.[25°C, input and output ratings, after input voltage ON for 30min to 8h]			
	Dynamic load	%/ms	±6max. ±4max.[50 to 100% sudden load change]			
Ripple noise Ep-p	mV		120max.	120max.	150max.	200max.
Start up time	ms		500max.(220typ.)/400max.(90typ.)[AC.100/240V]			
Hold up time	ms		15min.(22typ.)/23min.(40typ.)[AC.100/240V]			

AUXILIARY FUNCTIONS

Indicator display	No
Overvoltage protection	Voltage shut-down type, recovers upon reset(interval approx. 30s).
Overcurrent protection	Winker operation, output may latch up depending on the condition.
Remote ON-OFF	No
Remote sensing	No
Parallel operation	Impossible
Series operation	Possible
Output voltage external variable function	No

STANDARDS

Safety standards	UL1950, CSA C 22.2 No.950-95, EN60950(CB) approved, Electrical Appliance And Material Control Low compliant.
Noise terminal voltage	FCC class B, VCCI-B, EN55011-B, EN55022-B compliant.
Input harmonics current requirement	EN61000-3-2 compliant.

CONSTRUCTIONS

External dimensions	mm	50×85×252[H×W×L]
Weight	g	1200max.(1100typ.)
Mounting method		Can be attached to 2 sides.
Case material(Frame/cover)		Zinc-plated iron/Aluminum

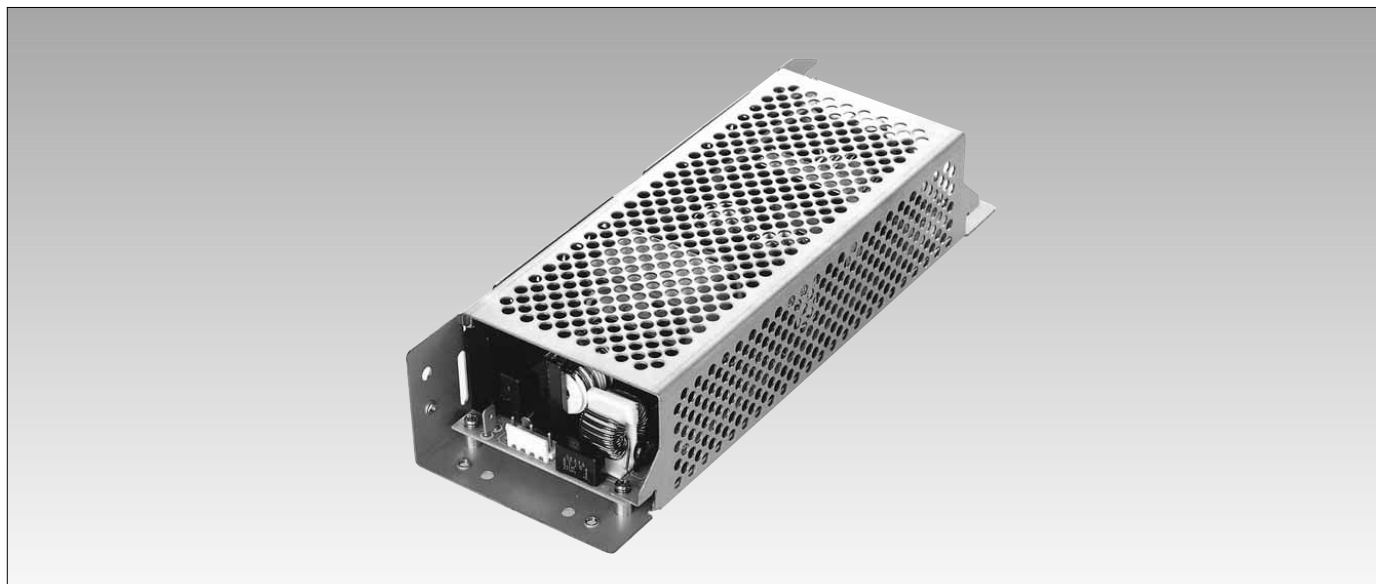
*¹ Current rating(maximum output current) is determined for -10 to +30°C. Derating is required when used outside this temperature range.

*² Warning: The use of input voltage outside of that which is prescribed may result in the power supply specifications not being met or cause damage.

*³ Cold start by power thermistor.

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SHAPES AND DIMENSIONS

JAW-C150W TYPE

Dimensions in mm

±1mm : without specified dimensions

Third-angle projection

