JWT 100/RA

SPECIFICATIONS

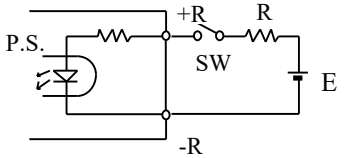
A179-01-01/RA-F

	ITEMS \ MODEL			JWT100-522/RA			JWT100-5FF/RA			JWT100-525/RA		
				V1	V2	V3	V1	V2	V3	V1	V2	V3
1	Nominal Output Voltage		V	+5	+12	-12	+5	+15	-15	+5	+12	-5
2	Minimum Output Current	(*1)	A	1.3	0	0	1.3	0	0	1.3	0	0
3	Maximum Output Current		A	13	5.5	1	13	4.5	1	13	5.5	1
4	Maximum Output Power / CH		W	65	66	12	65	67.5	15	65	66	5
5	Total Allowable Output Power		W	100			100			100		
6	Efficiency (Typ)	(*2)	-	72%								
7	Input Voltage Range	(*3)	-	85 - 265VAC (47 - 63Hz) or 120 - 330VDC								
8	Input Current (100/200VAC) (Typ)	(*2)	A	1.4 / 0.7								
9	Inrush Current (Typ)	(*2,4)	A	14A at 100VAC, 28A at 200VAC, Ta=25°C, Cold Start								
10	PFHC		-	Designed to meet EN61000-3-2								
11	Power Factor (100/200VAC) (Typ)	(*2)	-	0.99 / 0.93								
12	Output Voltage Range		V	5.0 - 5.25	Fixed	Fixed	5.0 - 5.25	Fixed	Fixed	5.0 - 5.25	Fixed	Fixed
13	Output Voltage Accuracy		-	-	±5%	±5%	-	±5%	±5%	-	±5%	±5%
14	Maximum Ripple & Noise	0≤Ta≤50°C	mV	120	150	150	120	150	150	120	150	150
		(*5) -10≤Ta≤0°C	mV	160	180	180	160	180	180	160	180	180
15	Maximum Line Regulation	(*6)	mV	20	48	48	20	60	60	20	48	20
16	Maximum Load Regulation	(*7)	mV	40	100	150	40	120	150	40	100	100
17	Temperature Coefficient		-	V1,V2:Less than 0.02% / °C, V3:Less than 0.03% / °C								
18	Over Current Protection	(*8)	A	More than 105%								
19	Over Voltage Protection	(*9)	V	5.7 - 7.0	-	-	5.7 - 7.0	-	-	5.7 - 7.0	-	-
20	Hold-Up Time (Typ)	(*10)	-	20 ms								
21	Leakage Current	(*11)	-	0.75mA MAX,0.2mA(Typ) at 100VAC / 0.44mA(Typ) at 230VAC								
22	Remote ON/OFF Control	(*12)	-	Possible								
23	Parallel Operation		-	-								
24	Series Operation		-	-								
25	Operating Temperature	(*12)	-	-10 to +50°C (-10 to +40°C :100%, +50°C :60%)								
26	Operating Humidity		-	30 to 90%RH								
27	Storage Temperature		-	-30 to +85°C								
28	Storage Humidity		-	10 to 95%RH								
29	Cooling		-	Convection Cooling								
30	Withstand Voltage		-	Input - FG:2kVAC(20mA), Input - Output:3kVAC (20mA) Output - FG:500VAC(100mA), for 1min.								
31	Isolation Resistance		-	More than 100MΩ at 25°C and 70%RH Output - FG : 500VDC								
32	Vibration		-	At no operating, 10-55Hz (Sweep for 1min) 19.6m/s² Constant, X,Y,Z 1h each.								
33	Shock (In package)		-	Less than 196.1m/s²								
34	Safety	(*13)	-	Approved by UL62368-1, CSA62368-1, EN62368-1, UL60950-1, CSA60950-1, EN60950-1 (Expire date of 60950-1 : 20/12/2020) Designed to meet DENAN								
35	Conducted Emission		-	Designed to meet EN55011 / EN55032-B, FCC-ClassB, VCCI-B.								
36	Radiated Emission		-	Designed to meet EN55011 / EN55032-B, FCC-ClassB, VCCI-B.								
37	Weight (Typ)		-	820g								
38	Size (W x H x D)		mm	49 x 92 x 203 (Refer to Outline Drawing)								

*Read instruction manual carefully, before using the power supply unit.

=NOTES=

*1. For V2, V3 stability, to keep V1 minimum output current.
*2. At 100/200VAC, Ta=25°C and maximum output power.
*3. For cases where conformance to various safety specs (UL, CSA, EN) are required, input voltage range will be 100 - 240VAC(50/60Hz).
*4. No applicable for the in-rush current to Noise Filter less than 0.2ms.
*5. Measure with JEITA RC-9131 probe, Bandwidth of scope :100MHz.
*6. 85 - 265VAC, constant load.
*7. Minimum load - Full load, constant input voltage.
*8. Constant current limit with automatic recovery.
(Only V3 of 522 and 5FF is Hiccup with automatic recovery)
V3: Output might shutdown when output current exceeds 200% of rated output current.
Output can be recovered by recycling input.
*9. OVP circuit will shut down all outputs, manual reset (Line recycle).
*10. At 100/200VAC nominal output voltage and maximum total output power.
*11. Measured by the each measuring method of UL, CSA, EN and DENAN (at 60Hz), Ta=25°C.
*12. As for ON/OFF control mode, see the right figure.
*13. Ratings - Derating at standard mounting.
- Load (%) is percent of maximum output power or maximum output current, whichever is greater.
- As for other mountings, refer to derating curve (A179-01-02/A-_).
*14. As for DENAN, designed to meet at 100VAC.



ON/OFF control mode

+R&-R terminal condition	Output condition
SW ON(Higher than 4.5V)	ON
SW OFF(Lower than 0.8V)	OFF

External voltage level : E	External resistance : R
4.5 - 12.5VDC	No required
12.5 - 24.5VDC	1.5kΩ