

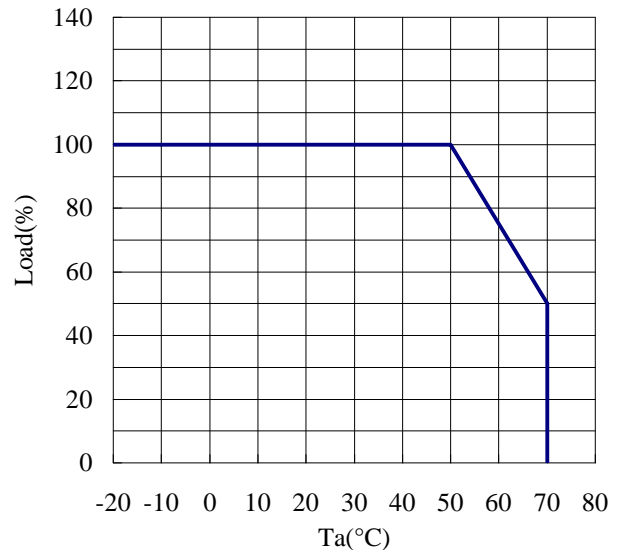
C148-01-01 B

ITEMS		MODEL	PV3-5-3.3	PV3-5-5	PV3-5-12
1	Nominal Output Voltage	V	3.3	5	12
2	Maximum Output Current	A	0.6	0.6	0.25
3	Nominal Output Power	W	2	3	3
4	Efficiency (Typ) (*1)	%	71	72	75
5	Input Voltage Range	V	5 (4.5 - 9.0)		
6	Input Current (Typ) (*1)	A	0.56	0.83	0.80
7	Output Voltage Accuracy (*1)	%	±5		
8	Output Voltage Range (*2)	V	3.3 ~ 3.67	5 ~ 6	12 ~ 15
9	Maximum Ripple & Noise (*3)	mV	100	120	
10	Maximum Line Regulation (*4)	mV	20		
11	Maximum Load Regulation (*5)	mV	40		
12	Over Current Protection (*6)	-	Yes		
13	Over Voltage Protection	-	No		
14	Remote ON/OFF Control	-	No		
15	Parallel Operation	-	No		
16	Series Operation	-	No		
17	Operating Temperature (*7)	°C	-20 ~ +70		
18	Operating Humidity	%RH	30 ~ 90 (No dewdrop)		
19	Storage Temperature	°C	-30 ~ +85		
20	Storage Humidity	%RH	10 ~ 95 (No dewdrop)		
21	Cooling	-	Convection Cooled		
22	Temperature Coefficient	%/°C	0.02		
23	Withstand Voltage	-	Input - Output ... 500VAC 1min. (5mA)		
24	Isolation Resistance	-	More than 100Mohm at 25°C and 70% RH Input - Output ... 500VDC		
25	Vibration	-	At no operation, 10 ~ 55 ~ 10Hz (sweep for 1min.) amplitude 1.5mm constant (maximum 88.3m/s ² X, Y, Z 2h each)		
26	Shock	m/s ²	196.1		
27	Weight (Typ)	g	6		
28	Size (W x H x D)	mm	33 x 18 x 8.5 (Refer to Outline Drawing)		

= NOTES =

- *1 : At 5VDC input and maximum output power.
- *2 : Refer to instruction manual.
- *3 : Measured with EIAJ RC-9131 probe,
Bandwidth of scope : 100MHz.
- *4 : From 4.5 to 9VDC input and constant load.
- *5 : From No load to Full load and constant input voltage.
- *6 : Output current limiting with automatic recovery.
Avoid the operation longer than 30sec. with over load.
- *7 : Rating - Refer to derating curve on the right.
- Load (%) is percentage of
maximum output power.
- *8 : External fuse use is recommended for the operation.

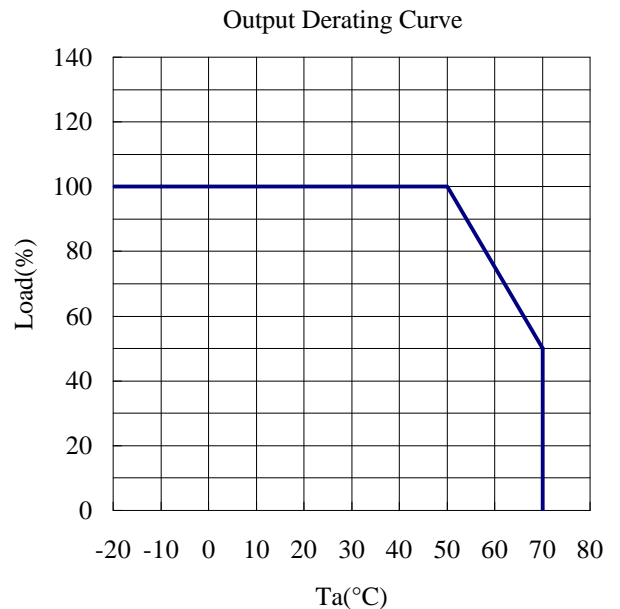
Output Derating Curve



MODEL			PV3-12-5
ITEMS			
1	Nominal Output Voltage	V	5
2	Maximum Output Current	A	0.6
3	Nominal Output Power	W	3
4	Efficiency (Typ) (*1)	%	75
5	Input Voltage Range	V	12 (9 - 18)
6	Input Current (Typ) (*1)	A	0.33
7	Output Voltage Accuracy (*1)	%	±5
8	Output Voltage Range (*2)	V	5 ~ 6
9	Maximum Ripple & Noise (*3)	mV	120
10	Maximum Line Regulation (*4)	mV	20
11	Maximum Load Regulation (*5)	mV	40
12	Over Current Protection (*6)	-	Yes
13	Over Voltage Protection	-	No
14	Remote ON/OFF Control	-	No
15	Parallel Operation	-	No
16	Series Operation	-	No
17	Operating Temperature (*7)	°C	-20 ~ +70
18	Operating Humidity	%RH	30 ~ 90 (No dewdrop)
19	Storage Temperature	°C	-30 ~ +85
20	Storage Humidity	%RH	10 ~ 95 (No dewdrop)
21	Cooling	-	Convection Cooled
22	Temperature Coefficient	%/°C	0.02
23	Withstand Voltage	-	Input - Output ... 500VAC 1min. (5mA)
24	Isolation Resistance	-	More than 100Mohm at 25°C and 70% RH Input - Output ... 500VDC
25	Vibration	-	At no operation, 10 ~ 55 ~ 10Hz (sweep for 1min.) amplitude 1.5mm constant (maximum 88.3m/s ² X, Y, Z 2h each)
26	Shock	m/s ²	196.1
27	Weight (Typ)	g	6
28	Size (W x H x D)	mm	33 x 18 x 8.5 (Refer to Outline Drawing)

= NOTES =

- *1 : At 12VDC input and maximum output power.
- *2 : Refer to instruction manual.
- *3 : Measured with EIAJ RC-9131 probe,
Bandwidth of scope : 100MHz.
- *4 : From 9 to 18VDC input and constant load.
- *5 : From No load to Full load and constant input voltage.
- *6 : Output current limiting with automatic recovery.
Avoid the operation longer than 30sec. with over load.
- *7 : Rating - Refer to derating curve on the right.
- Load (%) is percentage of
maximum output power.
- *8 : External fuse use is recommended for the operation.



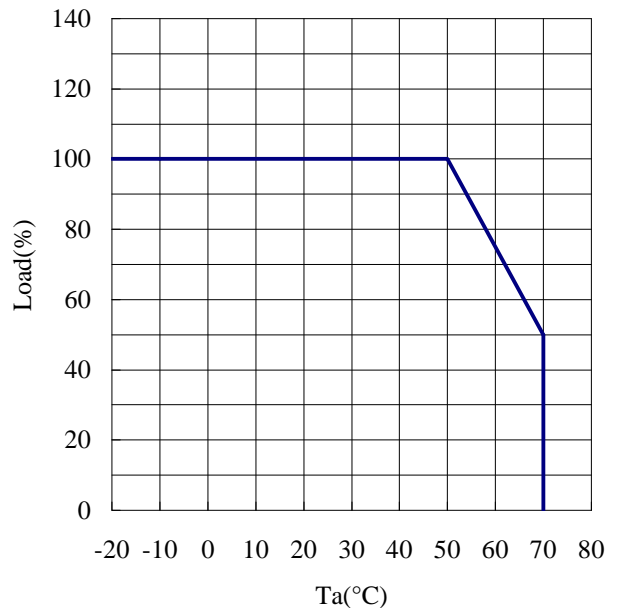
C150-01-01 A

ITEMS		MODEL	PV3-24-5
1	Nominal Output Voltage	V	5
2	Maximum Output Current	A	0.6
3	Nominal Output Power	W	3
4	Efficiency (Typ) (*1)	%	77
5	Input Voltage Range	V	24 (18 - 36)
6	Input Current (Typ) (*1)	A	0.16
7	Output Voltage Accuracy (*1)	%	±5
8	Output Voltage Range (*2)	V	5 ~ 6
9	Maximum Ripple & Noise (*3)	mV	120
10	Maximum Line Regulation (*4)	mV	20
11	Maximum Load Regulation (*5)	mV	40
12	Over Current Protection (*6)	-	Yes
13	Over Voltage Protection	-	No
14	Remote ON/OFF Control	-	No
15	Parallel Operation	-	No
16	Series Operation	-	No
17	Operating Temperature (*7)	°C	-20 ~ +70
18	Operating Humidity	%RH	30 ~ 90 (No dewdrop)
19	Storage Temperature	°C	-30 ~ +85
20	Storage Humidity	%RH	10 ~ 95 (No dewdrop)
21	Cooling	-	Convection Cooled
22	Temperature Coefficient	%/°C	0.02
23	Withstand Voltage	-	Input - Output ... 500VAC 1min. (5mA)
24	Isolation Resistance	-	More than 100Mohm at 25°C and 70% RH Input - Output ... 500VDC
25	Vibration	-	At no operation, 10 ~ 55 ~ 10Hz (sweep for 1min.) amplitude 1.5mm constant (maximum 88.3m/s ² X, Y, Z 2h each)
26	Shock	-	196.1m/s ²
27	Weight (Typ)	g	6
28	Size (W x H x D)	mm	33 x 18 x 8.5 (Refer to Outline Drawing)

= NOTES =

- *1 : At 24VDC input and maximum output power.
- *2 : Refer to instruction manual.
- *3 : Measured with EIAJ RC-9131 probe,
Bandwidth of scope : 100MHz.
- *4 : From 18 to 36VDC input and constant load.
- *5 : From No load to Full load and constant input voltage.
- *6 : Output current limiting with automatic recovery.
Avoid the operation longer than 30sec. with over load.
- *7 : Rating - Refer to derating curve on the right.
- Load (%) is percentage of
maximum output power.
- *8 : External fuse use is recommended for the operation.

Output Derating Curve



MODEL			PV3-48-3.3	PV3-48-5
ITEMS				
1	Nominal Output Voltage	V	3.3	5
2	Maximum Output Current	A	0.6	0.6
3	Nominal Output Power	W	2	3
4	Efficiency (Typ) (*1)	%	75	78
5	Input Voltage Range	V	48 (36 - 72)	
6	Input Current (Typ) (*1)	A	0.055	0.08
7	Output Voltage Accuracy (*1)	%	±5	
8	Output Voltage Range (*2)	V	3.3 ~ 3.67	5 ~ 6
9	Maximum Ripple & Noise (*3)	mV	100	120
10	Maximum Line Regulation (*4)	mV	20	
11	Maximum Load Regulation (*5)	mV	40	
12	Over Current Protection (*6)	-	Yes	
13	Over Voltage Protection	-	No	
14	Remote ON/OFF Control	-	No	
15	Parallel Operation	-	No	
16	Series Operation	-	No	
17	Operating Temperature (*7)	°C	-20 ~ +70	
18	Operating Humidity	%RH	30 ~ 90 (No dewdrop)	
19	Storage Temperature	°C	-30 ~ +85	
20	Storage Humidity	%RH	10 ~ 95 (No dewdrop)	
21	Cooling	-	Convection Cooled	
22	Temperature Coefficient	%/°C	0.02	
23	Withstand Voltage	-	Input - Output ... 500VAC 1min. (5mA)	
24	Isolation Resistance	-	More than 100Mohm at 25°C and 70% RH Input - Output ... 500VDC	
25	Vibration	-	At no operation, 10 ~ 55 ~ 10Hz (sweep for 1min.) amplitude 1.5mm constant (maximum 88.3m/s ² X, Y, Z 2h each)	
26	Shock	m/s ²	196.1	
27	Weight (Typ)	g	6	
28	Size (W x H x D)	mm	33 x 18 x 8.5 (Refer to Outline Drawing)	

= NOTES =

- *1 : At 48VDC input and maximum output power.
- *2 : Refer to instruction manual.
- *3 : Measured with EIAJ RC-9131 probe,
Bandwidth of scope : 100MHz.
- *4 : From 36 to 72VDC input and constant load.
- *5 : From No load to Full load and constant input voltage.
- *6 : Output current limiting with automatic recovery.
Avoid the operation longer than 30sec. with over load.
- *7 : Rating - Refer to derating curve on the right.
- Load (%) is percentage of
maximum output power.
- *8 : External fuse use is recommended for the operation.

