

DNV-6 SERIES, 6WATT, 2:1 INPUT RANGE
FEATURES:

- ✓ 1500Vdc isolation voltage
- ✓ Metal/Plastic case with low ripple and noise
- ✓ Short circuit and input under voltage protection
- ✓ Operating temperature range -40°C to +85°C
- ✓ 3 year warranty



Model	Input voltage (Vdc)	Output voltage (Vdc)	Output current (mA)	Efficiency Typ.
DNV6-0511	5(4.5~9)	5	1200	75%
DNV6-0515		9	667	78%
DNV6-0512		12	500	83%
DNV6-0513		15	400	80%
DNV6-0514		24	250	80%
DNV6-0521		±5	600	75%
DNV6-0525		±9	333	79%
DNV6-0522		±12	250	78%
DNV6-0523		±15	200	82%
DNV6-0524		±24	125	82%
DNV6-1211	12(9~18)	5	1200	79%
DNV6-1215		9	667	81%
DNV6-1212		12	500	82%
DNV6-1213		15	400	82%
DNV6-1214		24	250	82%
DNV6-1221		±5	600	80%
DNV6-1225		±9	333	82%
DNV6-1222		±12	250	82%
DNV6-1223		±15	200	83%
DNV6-1224		±24	125	84%
DNV6-2411	24(18~36)	5	1200	80%
DNV6-2415		9	667	81%
DNV6-2412		12	500	82%
DNV6-2413		15	400	82%
DNV6-2414		24	250	84%
DNV6-2421		±5	600	80%
DNV6-2425		±9	333	81%
DNV6-2422		±12	250	82%
DNV6-2423		±15	200	83%
DNV6-2424		±24	125	84%

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Model	Input voltage (Vdc)	Output voltage (Vdc)	Output current (mA)	Efficiency Typ.
DNV6-4811	48(36~72)	5	1200	82%
DNV6-4815		9	667	82%
DNV6-4812		12	500	82%
DNV6-4813		15	400	84%
DNV6-4814		24	250	85%
DNV6-4821		±5	600	80%
DNV6-4825		±9	333	81%
DNV6-4822		±12	250	82%
DNV6-4823		±15	200	83%
DNV6-4824		±24	125	83%

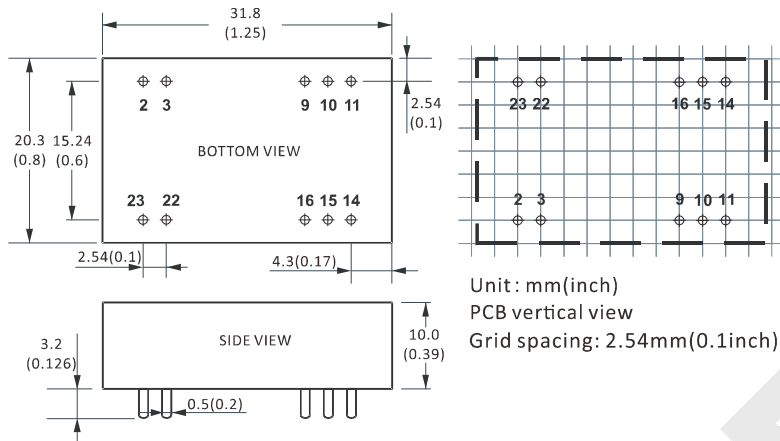
Notes: other input and output models may available on request.

Above models are default to plastic case, you may request for the models with metal case, plus "M" in the suffix.

ELECTRICAL

Output voltage accuracy (Full voltage, full load)	+Vo -Vo	±2% max. ±3% max.
Line regulation	Nominal Load, full voltage	±0.5% max.
Load regulation	20% ~ 100% full load	±1% max.
Ripple and noise	20MHz BM, full load	100mVp-p max.
Operating frequency	Typical value	300KHz typ.
Isolation voltage (<1mA/min)	Input to output	1500Vdc
Isolation resistance	---	1000mΩ
Temperature coefficient	---	±0.03%/°C max.
Operating temperature range	---	-40°C to +85°C
Storage temperature range	---	-55°C to +125°C
Short circuit protection	---	Continuous, auto-recovery
Relative humidity	---	10%-90%
MTBF	Bellcore TR-332, 25°C	1000KHrs
Weight	---	18g

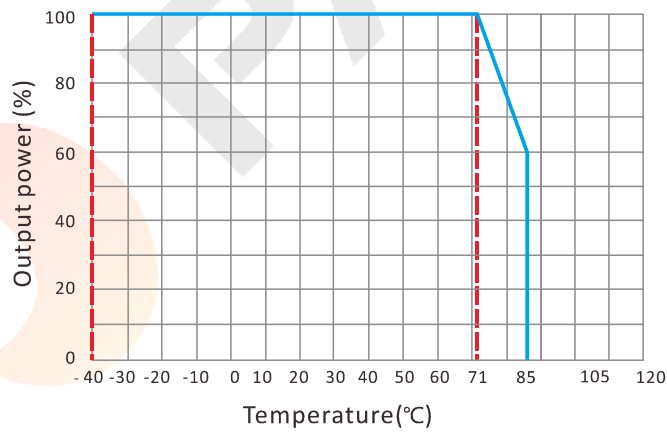
Notes: All the parameters are measured at 25°C ambient temperature, humidity < 75%, nominal input voltage, full load and after warm-up, unless otherwise specified.

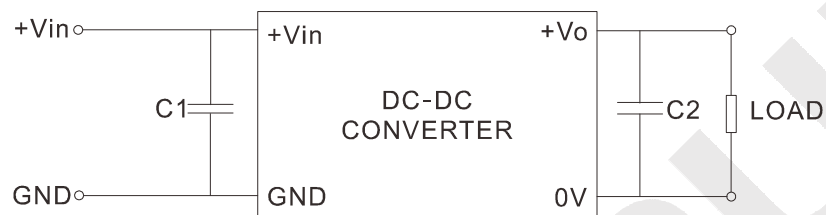
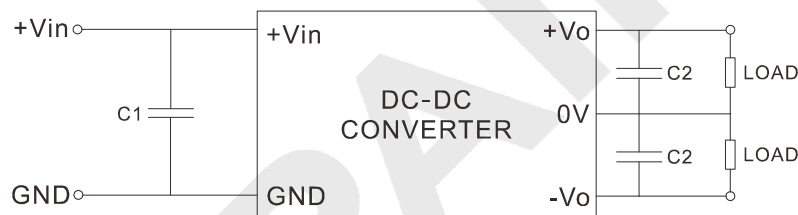
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MECHANICAL

CONNECTION

PIN #	SINGLE	DUAL
2	GND	GND
3	GND	GND
9	NC	0V
10	No Pin	No Pin
11	NC	-Vo2
14	+Vo	+Vo1
15	No Pin	No Pin
16	0V	0V
22	+Vin	+Vin
23	+Vin	+Vin

Note:

* Unit is mm(inch).

ELECTRICAL CURVE


DNV-6 SERIES, 6WATT, 2:1 INPUT RANGE
NOTES
RECOMMENDED TEST AND APPLICATION CIRCUIT
SINGLE OUTPUT

DUAL OUTPUT

CAPACITOR SELECTION

INPUT VOLTAGE	C1	SINGLE OUTPUT	C2	DUAL OUTPUT	C2
5VDC	100 μ F	5VDC	470 μ F	\pm 5VDC	220 μ F
12VDC	47 μ F	9VDC	220 μ F	\pm 9VDC	100 μ F
24VDC	47 μ F	12VDC	100 μ F	\pm 12VDC	47 μ F
48VDC	10 μ F	15VDC	100 μ F	\pm 15VDC	47 μ F
--	--	24VDC	47 μ F	\pm 24VDC	22 μ F