

MOTIEN offers a complete product series of reinforced DC/DC converters, which is reinforced insulation certified to the IEC/EN/UL 62368-1 safety standard with 5 kVAC / 1 minute isolation (250 ~ 300 VAC working voltage). Also available in different packages and different output power options.

Except for the following models, the rest series are functional isolation rating. Based on UL, the clearance / creepage distance is not required.

Series	Power (W)	Input voltage range (VDC)	Output voltage (VDC)	Isolation voltage (VAC)	Working voltage (VDC)	Creepage (mm, Min.)	Clearance (mm, Min.)	Package
NQ1H (X)	1	5, 12, 15, 24	3.3, 5, 9, 12, 15 ±3.3, ±5, ±9, ±12, ±15, ±15/-9	5000	300	6 ( 9 for X type )	6 ( 9 for X type )	SIP 7
NQ2H (X)	2	5, 12, 15, 24	3.3, 5, 9, 12, 15 ±3.3, ±5, ±9, ±12, ±15, ±15/-9	5000	300	6 ( 9 for X type )	6 ( 9 for X type )	SIP 7
NB3R5HW	3.5	4.5-18, 9-36, 18-75	5, 12, 15, ±5, ±12, ±15	5000	250	8	8	DIP 16
NC10HW	10	4.5-18, 9-36, 18-75	5, 12, 15, ±5, ±12, ±15	5000	250	8	8	DIP 24
ND20HW	20	9-36, 18-75	5, 12, 15, ±5, ±12, ±15	5000	250	8	8	1.6x1
NJ30HW	30	9-36, 18-75	5, 12, 15, ±5, ±12, ±15	5000	250	8	8	2x1

\* (X) means 2mm PIN pitch

