

## NH 1000 Vdc blade and bolt-on PV fuses

A range of 1000 Vdc NH size Photovoltaic (PV) fuses specifically designed for protecting and isolating array combiners/re-combiners, disconnects and inverters.



### Ratings

- Volts 1000 Vdc
- Amps 32-400 A
- IR 50 kA

### Agency information

- UL Listed, Guide JFGA, File E335324, Photovoltaic to UL 248-19, IEC 60269-6 gPV, CSA Class 1422-30, File 53787 (32-160 A), UL Listed, IEC gPV, CSA, CCC Pending, RoHS compliant

### Features

- Compact size saves panel space and extends design flexibility
- Bolt-on versions have common hole centers for standardizing busbar designs across 63-400 amp range
- Low power loss for greater efficiency and lower operating temperature
- Global agency standards simplifies design considerations for worldwide markets
- Dual indication feature and optional microswitches make system monitoring easier

### Typical applications

- Recombiner boxes
- Inverters

### Recommended fuse blocks

- SD\_ and TD\_ see page 6-11

### Optional microswitches†

Catalog no.	Tab size - mm (inch)	Connection	Volts	Amps
170H0236	250/6.3 (1/4)	Quick connect	250	2
170H0238	110/2.8 (0.11)			2
BVL50	187/4.8 (3/16)			6

† For use with bladed version.

Catalog no.	NH size	Amps	I <sup>2</sup> t (A <sup>2</sup> S)		Watts loss	
			Pre-arcing	Total @ 1000V	0.8 I <sub>n</sub>	I <sub>n</sub>
<b>Blade versions</b>						
PV-32ANH1		32	80	720	4	8
PV-40ANH1		40	185	1670	5	9
PV-50ANH1		50	400	3600	6	11
PV-63ANH1		63	470	4300	6	12
PV-80ANH1	1	80	640	5760	8	15
PV-100ANH1		100	1300	11,700	8	16
PV-125ANH1		125	2600	23,400	9	17
PV-160ANH1		160	5200	46,800	14	27
PV-200ANH1		200	10,200	82,000	13	25
PV-250ANH2	2	250	17,000	136,000	19	38
PV-300ANH3		300	32,000	260,000	24	40
PV-315ANH3		315	32,000	260,000	26	44
PV-350ANH3	3	350	44,500	370,000	27	45
PV-355ANH3		355	44,500	370,000	28	46
PV-400ANH3		400	67,500	550,000	30	50
<b>Bolt-on versions</b>						
PV-63ANH1-B		63	470	4300	6	12
PV-80ANH1-B		80	640	5760	8	15
PV-100ANH1-B		100	1300	11,700	8	16
PV-125ANH1-B	1	125	2600	23,400	9	17
PV-160ANH1-B		160	5200	46,800	14	27
PV-200ANH1-B		200	10,200	82,000	13	25
PV-250ANH2-B	2	250	17,000	136,000	19	38
PV-315ANH3-B		315	32,000	260,000	26	44
PV-355ANH3-B	3	355	38,000	310,000	29	48
PV-400ANH3-B		400	61,000	490,000	32	50



Blade versions mount in fuse blocks



Bolt-on versions mount directly to busbars and conductor terminals

PV fuses, holders, blocks and SPDs