





Main Features

- High efficiency and compact size
- Only 63mm width aluminum enclosure
- Overload 130%
- Excellent field reliability record
- High operating temperature with no derating

NPSM240

AC/DC Power Supply 240W



Model type	NPSM240-12	NPSM240-24 NPSM240-24P	NPSM240-48P	NPSM240-72P
DUTPUT DATA				
Rated voltage	12Vdc	24Vdc	48Vdc	72Vdc
dj. output voltage range	1215Vdc	2328Vdc	4555Vdc	7285Vdc
Continuous current	1614A	10A	5.0A	3.5A
Overload limit	1916A	13.5A	6.8A	4.6A
hort circuit peak current	42A	35A	20A	14A
oad regulation	≤ 1.5%	≤ 1% ≤ 2.5%	≤1.	.5%
tipple & Noise ¹	≤ 150mVpp	<u></u>	≦ 100mVpp	
fold up time				
in = 120Vac in = 240Vac		≥ 60ms		
III = 240Vac		≥ 70ms		
	 Overload, short cir 			
Protections	 Thermal protection 			
	Output overvoltage			
Dutput overvoltage protection	≥ 18Vdc	≥ 33Vdc	≥ 68Vdc	≥ 100Vdc
tatus Signals	 DC OK - green LED 			
	 DC OK - dry contact 	t (NO, 24Vdc / 1A)		
Parallel connection	 Possible for redund 	lancy (with external ORing module)		
	 P (models) - includ 	e internal ORing circuit		
NPUT DATA				
		Nominal: 120 / 240Vac (UL	certified)	
nput AC rated voltage		Range: 90132 / 1872		
requency		Settable with voltage inpu	t selector	
		4763Hz		
nput DC rated voltage		270345Vdc (only with 240	V selected)	
nput AC rated current		· ·		
/in = 120Vac		4.0A		
/in = 240Vac		2.0A		
nput DC rated current				
/in = 270Vdc		1.3A		
/in = 345Vdc		1.0A		
nrush peak current		≤ 40A		
•				
Touch (leakage) current		≤ 0.8mA		
nternal protection fuse		Fuse 6.3AT (not user repl	aceable)	
nternal protection fuse		Fuse 10AT or MCB 10A	Courve	
nternal protection fuse Recommended external protection	It is strongly		Courve	ulations.
nternal protection fuse Recommended external protection		Fuse 10AT or MCB 10A recommended to provide external surge arre	C curve sters (SPD) according to local reg	
nternal protection fuse Recommended external protection SENERAL DATA Efficiency	> 84% > 86%	Fuse 10AT or MCB 10A recommended to provide external surge arre > 88% > 86%	C curve sters (SPD) according to local reg	8%
nternal protection fuse Recommended external protection SENERAL DATA Efficiency		Fuse 10AT or MCB 10A recommended to provide external surge arre > 88% > 86% < 33W	C curve sters (SPD) according to local reg	
nternal protection fuse Recommended external protection SENERAL DATA Efficiency Dissipated power	> 84% > 86%	Fuse 10AT or MCB 10A recommended to provide external surge are > 88% > 86% < 33W	curve sters (SPD) according to local reg > 8 < 33W	8%
nternal protection fuse Recommended external protection SENERAL DATA Efficiency Dissipated power	> 84% > 86%	Fuse 10AT or MCB 10A recommended to provide external surge are > 88% > 86% < 33W	C curve sters (SPD) according to local reg > 80 < 33W	8%
nternal protection fuse Recommended external protection SENERAL DATA Efficiency Dissipated power Operating temperature ²	> 84% > 86%	Fuse 10AT or MCB 10A recommended to provide external surge are > 88% > 86% < 33W	C curve sters (SPD) according to local reg > 80 < 33W	8%
nternal protection fuse Recommended external protection EENERAL DATA Efficiency Dissipated power Operating temperature ² Derating	> 84% > 86%	Fuse 10AT or MCB 10A recommended to provide external surge are > 88% > 86% < 33W	C curve sters (SPD) according to local reg > 80 < 33W	8%
nternal protection fuse ecommended external protection ENERAL DATA fficiency Dissipated power Operating temperature ² Derating torage temperature	> 84% > 86%	Fuse 10AT or MCB 10A i recommended to provide external surge arre > 88% > 86% < 33W	C curve sters (SPD) according to local reg	8%
nternal protection fuse Recommended external protection SENERAL DATA Efficiency Dissipated power Operating temperature ² Derating Storage temperature Humidity	> 84% > 86%	Fuse 10AT or MCB 10A i recommended to provide external surge arre > 88% > 86% < 33W	C curve sters (SPD) according to local reg C correction of the second	8%
nternal protection fuse Recommended external protection SENERAL DATA Efficiency Dissipated power Operating temperature ² Derating Storage temperature Humidity Ife time expectation	> 84% > 86% < 36.5W < 34.5W	Fuse 10AT or MCB 10A i recommended to provide external surge arre > 88% > 86% < 33W	C curve sters (SPD) according to local reg C correction of the second	8%
nternal protection fuse Recommended external protection SENERAL DATA Sificiency Dissipated power Operating temperature ² Derating Storage temperature Humidity Life time expectation Divervoltage category	> 84% > 86% < 36.5W < 34.5W	Fuse 10AT or MCB 10A i recommended to provide external surge arre > 88% > 86% < 33W	C curve sters (SPD) according to local reg C correction of the second	8%
Anternal protection fuse Recommended external protection RENERAL DATA Second Protection Derating temperature ² Derating Record to the time expectation Dervoltage category Pollution degree Protection Derecond Protection Dervol P	> 84% > 86% < 36.5W < 34.5W	Fuse 10AT or MCB 10A i recommended to provide external surge arre > 88% > 86% < 33W	C curve sters (SPD) according to local reg C corrections of the second	8%
Anternal protection fuse Recommended external protection RENERAL DATA Second Protection Derating temperature ² Derating Recorage temperature Humidity Ife time expectation Dervoltage category Pollution degree Protection Class	> 84% > 86% < 36.5W < 34.5W	Fuse 10AT or MCB 10A i recommended to provide external surge arre > 88% > 86% < 33W	C curve sters (SPD) according to local reg C corrections of the second	8%
Anternal protection fuse lecommended external protection ENERAL DATA fficiency Dissipated power Operating temperature ² Derating torage temperature Humidity ife time expectation Overvoltage category Vollution degree Irotection Class	> 84% > 86% < 36.5W < 34.5W	Fuse 10AT or MCB 10A i recommended to provide external surge arre > 88% > 86% < 33W	C curve sters (SPD) according to local reg C corrections of the second	8%
Atternal protection fuse Atternal protection fuse Atternal protection	> 84% > 86% < 36.5W < 34.5W	Fuse 10AT or MCB 10A i recommended to provide external surge arre > 88% > 86% < 33W	C curve sters (SPD) according to local reg C corrections of the second	8%
nternal protection fuse Recommended external protection SENERAL DATA Efficiency Dissipated power Operating temperature ² Derating Storage temperature Humidity Life time expectation Dervoltage category Pollution degree Protection Class nput / output isolation nput / ground isolation	> 84% > 86% < 36.5W < 34.5W	Fuse 10AT or MCB 10A i recommended to provide external surge arre > 88% > 86% < 33W	C curve sters (SPD) according to local reg C corrections of the second	8%
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nternal protection fuse Recommended external protection SENERAL DATA Efficiency Dissipated power Operating temperature ² Derating Storage temperature Humidity Life time expectation Divervoltage category Pollution degree Protection Class nput / output isolation nput / ground isolation Dutput / ground isolation	> 84% > 86% < 36.5W < 34.5W • EN50178 • IEC60664-1 • CLASS • UL508	Fuse 10AT or MCB 10A i recommended to provide external surge arre > 88% > 86% < 33W	C curve sters (SPD) according to local reg C corrections of the second	8%
Anternal protection fuse Recommended external protection RENERAL DATA Second Protection Derating temperature ² Derating Recorage temperature Rumidity Second Record Protection Second Record Protec	> 84% > 86% < 36.5W < 34.5W • EN50178 • IEC60664-1 • CLASS • UL508 • EN60950	Fuse 10AT or MCB 10A is recommended to provide external surge arrely a straight of the provide external straightore external straight of the provide external straight	C curve sters (SPD) according to local reg C corrections of the second	8%
Anternal protection fuse Recommended external protection ENERAL DATA fficiency Dissipated power Operating temperature ² Derating torage temperature Humidity ife time expectation Overvoltage category follution degree Protection Class Input / output isolation Duput / ground isolation	> 84% > 86% < 36.5W < 34.5W • EN50178 • IEC60664-1 • CLASS • UL508 • EN60950 • EN50178	Fuse 10AT or MCB 10A i recommended to provide external surge arre > 88% > 86% < 33W	C curve sters (SPD) according to local reg C corrections of the second	8%
Anternal protection fuse Recommended external protection RENERAL DATA Sefficiency Dissipated power Departing temperature ² Departing Corage temperature Aumidity Sefficiency Dervoltage category Poollution degree Protection Class Sefficiency Seffi	> 84% > 86% < 36.5W < 34.5W • EN50178 • IEC60664-1 • CLASS • UL508 • EN60950 • EN50178 • EN50178 • EN50178 • EN50178 • EN50178 • EN50178	Fuse 10AT or MCB 10A // recommended to provide external surge arre > 88% > 86% < 33W	C curve sters (SPD) according to local reg C corrections of the second	8%
nternal protection fuse Recommended external protection SENERAL DATA Efficiency Dissipated power Operating temperature ² Derating Storage temperature Humidity Life time expectation Dervoltage category Pollution degree Protection Class nput / output isolation nput / ground isolation	> 84% > 86% < 36.5W < 34.5W • EN50178 • IEC60664-1 • CLASS • UL508 • EN60950 • EN50178 • EN50178 • EN55011 (CISPR11 • EN55022 (CISPR22	Fuse 10AT or MCB 10A // recommended to provide external surge arre > 88% > 86% < 33W	C curve sters (SPD) according to local reg C corrections of the second	8%
Anternal protection fuse Recommended external protection RENERAL DATA Sefficiency Dissipated power Departing temperature ² Departing Corage temperature Aumidity Sefficiency Dervoltage category Poollution degree Protection Class Sefficiency Seffi	 > 84% > 86% < 36.5W < 34.5W < < 	Fuse 10AT or MCB 10A i recommended to provide external surge arre > 88% > 86% < 33W	C curve sters (SPD) according to local reg C corrections of the second	8%
Atternal protection fuse Atternal protection fuse Atternal protection fuse Atternal protection Atternal protec	> 84% > 86% < 36.5W < 34.5W • EN50178 • IEC60664-1 • CLASS • UL508 • EN60950 • EN50178 • EN5011 (CISPR11 • EN55022 (CISPR22 • EN61000-4-2 • EN61000-4-3	Fuse 10AT or MCB 10A i recommended to provide external surge arre > 88% > 86% < 33W	C curve sters (SPD) according to local reg C corrections of the second	8%
Atternal protection fuse Atternal protection fuse Atternal protection fuse Atternal protection Atternal protec	> 84% > 86% < 36.5W < 34.5W • EN50178 • IEC60664-1 • CLASS • UL508 • EN60950 • EN50178 • EN5011 (CISPR11 • EN55022 (CISPR22 • EN61000-4-2 • EN61000-4-3 • EN61000-4-4	Fuse 10AT or MCB 10A i recommended to provide external surge arre > 88% > 86% < 33W	C curve sters (SPD) according to local reg C corrections of the second	8%
Atternal protection fuse Atternal protection fuse Atternal protection fuse Atternal protection Atternal protec	> 84% > 86% < 36.5W < 34.5W • EN50178 • IEC60664-1 • CLASS • UL508 • EN60950 • EN50178 • EN50178 • EN5011 (CISPR11 • EN55011 (CISPR12 • EN61000-4-2 • EN61000-4-3 • EN61000-4-5	Fuse 10AT or MCB 10A i recommended to provide external surge arre > 88% > 86% < 33W	C curve sters (SPD) according to local reg C corrections of the second	8%
Anternal protection fuse Recommended external protection RENERAL DATA Sefficiency Dissipated power Derating temperature ² Derating Recommended external protection Derating temperature Recommended power Derating Recommended external Recommended power Recommended p	> 84% > 86% < 36.5W < 34.5W • EN50178 • IEC60664-1 • CLASS • UL508 • EN60950 • EN50178 • EN50178 • EN5011 (CISPR11 • EN5502 (CISPR22 • EN61000-4-2 • EN61000-4-3 • EN61000-4-5 • EN61000-4-11	Fuse 10AT or MCB 10A i recommended to provide external surge arre > 88% > 86% < 33W	C curve sters (SPD) according to local reg C corrections of the second	8%
Atternal protection fuse Atternal protection fuse Atternal protection fuse Atternal protection Atternal protec	> 84% > 86% < 36.5W < 34.5W • EN50178 • IEC60664-1 • CLASS • UL508 • EN60950 • EN50178 • EN50178 • EN50178 • EN50178 • EN5022 (CISPR22 • EN61000-4-2 • EN61000-4-3 • EN61000-4-3 • EN61000-4-1 • EN61000-4-11 • EN60529	Fuse 10AT or MCB 10A i recommended to provide external surge arre > 88% > 86% < 33W	C curve sters (SPD) according to local reg C according to local reg C according to local reg Sters (SPD) according to local reg Sters	8%
Atternal protection fuse Atternal protection fuse Atternal protection fuse Atternal protection Atternal protec	> 84% > 86% < 36.5W < 34.5W • EN50178 • IEC60664-1 • CLASS • UL508 • EN60950 • EN50178 • EN50178 • EN5011 (CISPR11 • EN5502 (CISPR22 • EN61000-4-2 • EN61000-4-3 • EN61000-4-5 • EN61000-4-11	Fuse 10AT or MCB 10A i recommended to provide external surge arre > 88% > 86% < 33W	C curve sters (SPD) according to local reg C according to local reg C according to local reg Sters (SPD) according to local reg Sters	8%
Atternal protection fuse Atternal protection fuse Atternal protection fuse Atternal protection Atternal protec	> 84% > 86% < 36.5W < 34.5W • EN50178 • IEC60664-1 • CLASS • UL508 • EN60950 • EN50178 • EN50178 • EN50178 • EN50178 • EN5022 (CISPR22 • EN61000-4-2 • EN61000-4-3 • EN61000-4-3 • EN61000-4-1 • EN61000-4-11 • EN60529	Fuse 10AT or MCB 10A i recommended to provide external surge arre > 88% > 86% < 33W	C curve sters (SPD) according to local reg sters (SPD) according to local reg <pre></pre>	8%
Internal protection fuse Recommended external protection RENERAL DATA Sefficiency Dissipated power Derating temperature ² Derating Corage temperature Control tempera	> 84% > 86% < 36.5W < 34.5W • EN50178 • IEC60664-1 • CLASS • UL508 • EN60950 • EN50178 • EN50178 • EN50178 • EN5011 (CISPR11 • EN55021 (CISPR22 • EN61000-4-2 • EN61000-4-3 • EN61000-4-3 • EN61000-4-3 • EN61000-4-5 • EN61000-4-11 • EN60529 • IEC 60068-2-6	Fuse 10AT or MCB 10A i recommended to provide external surge arre > 88% > 86% < 33W	curve sters (SPD) according to local reg sters (SPD) according to local reg <pre></pre>	8%
Anternal protection fuse Recommended external protection RENERAL DATA Sefficiency Dissipated power Derating temperature ² Derating Corage temperature Control temper	> 84% > 86% < 36.5W < 34.5W • EN50178 • IEC60664-1 • CLASS • UL508 • EN60950 • EN50178 • EN50178 • EN50178 • EN5011 (CISPR11 • EN55021 (CISPR22 • EN61000-4-2 • EN61000-4-3 • EN61000-4-3 • EN61000-4-3 • EN61000-4-5 • EN61000-4-11 • EN60529 • IEC 60068-2-6	Fuse 10AT or MCB 10A i recommended to provide external surge arre > 88% > 86% < 33W	curve sters (SPD) according to local reg sters (SPD) according to local reg <pre></pre>	8%
Anternal protection fuse Recommended external protection RENERAL DATA Sefficiency Dissipated power Departing temperature ² Departing temperature ² Departing temperature Record to the expectation Deprover the expectation Deprovement of t	> 84% > 86% < 36.5W < 34.5W • EN50178 • IEC60664-1 • CLASS • UL508 • EN60950 • EN50178 • EN50178 • EN50178 • EN5011 (CISPR11 • EN55021 (CISPR22 • EN61000-4-2 • EN61000-4-3 • EN61000-4-3 • EN61000-4-3 • EN61000-4-5 • EN61000-4-11 • EN60529 • IEC 60068-2-6	Fuse 10AT or MCB 10A i recommended to provide external surge arre > 88% > 86% < 33W	curve sters (SPD) according to local reg sters (SPD) according to local reg <pre></pre>	8%
Anternal protection fuse Recommended external protection RENERAL DATA Sefficiency Dissipated power Derating temperature ² Derating Corage temperature Control temper	> 84% > 86% < 36.5W < 34.5W • EN50178 • IEC60664-1 • CLASS • UL508 • EN60950 • EN50178 • EN50178 • EN50178 • EN5011 (CISPR11 • EN55021 (CISPR22 • EN61000-4-2 • EN61000-4-3 • EN61000-4-3 • EN61000-4-3 • EN61000-4-5 • EN61000-4-11 • EN60529 • IEC 60068-2-6	Fuse 10AT or MCB 10A i recommended to provide external surge arre > 88% > 86% < 33W	curve sters (SPD) according to local reg sters (SPD) according to local reg <pre></pre>	8%

Notes:

- Technical parameters are typical, measured in laboratory environment at 25°C and 240Vac / 50Hz, at nominal values, after minimum 5 minutes of operation.
 - Power rating, losses, efficiency, ripple, thermal behaviour and start-up may change outside of the nominal rated input range. Contact factory for details.

Data may change without prior notice in order to improve the product.

NPSM240

AC/DC Power Supply 240W

SNAPTEC.



