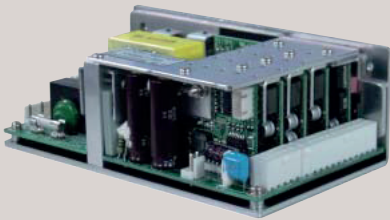
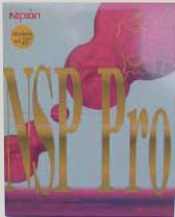


1U/2U	Compact PCI	VMEbus	ERP	DPS	Redundant	Other	NSP																																										
Built-in Backup Function, Fan-Less Nonstop ATX Power Supply fNS							P9-180P-D2S																																										
 <p>fNSP9-180P-D2S</p> <p>Dimensions : 93 (W) ×160 (D) ×55 (H) mm Input : AC85V*2 —264V, DC24V (for battery only) MTBF : 100,000H or more Reliability grade : FA</p> <p>Max. continuous 90W Peak 180W</p> <p>UL c-UL EN CE</p>		<p>Function: DC start, RS 232C, TTL, PFC, Silence, 5VSB FAN, TSFC FAN, Connection, Fit for Pen4, RoHS Directive</p> <p>Output Specifications () shows when aluminum heat sink installed.</p> <table border="1"> <thead> <tr> <th>Output Voltage</th> <th>+ 3.3V</th> <th>+ 5V</th> <th>+ 12V</th> <th>- 12V</th> <th>+ 5VSB</th> </tr> </thead> <tbody> <tr> <td>Max. Current/Max. Power (continuous)</td> <td>10A</td> <td>10A</td> <td>7.5A (8.5A)</td> <td>0.3A</td> <td>1.5A</td> </tr> <tr> <td colspan="6">Total 60W (70W)</td> </tr> <tr> <td colspan="6">Within output power limitation*</td> </tr> <tr> <td>Max. Peak Current/Peak Power (within 5s)</td> <td>10A</td> <td>10A</td> <td>15A</td> <td>0.3A</td> <td>2A</td> </tr> <tr> <td colspan="6">Within output power limitation*</td> </tr> <tr> <td>Min. Current</td> <td>0A</td> <td>0A</td> <td>0A</td> <td>0A</td> <td>0A</td> </tr> </tbody> </table> <p>*Please refer PCFL-180P series on P19 for output power limitation graph.</p>						Output Voltage	+ 3.3V	+ 5V	+ 12V	- 12V	+ 5VSB	Max. Current/Max. Power (continuous)	10A	10A	7.5A (8.5A)	0.3A	1.5A	Total 60W (70W)						Within output power limitation*						Max. Peak Current/Peak Power (within 5s)	10A	10A	15A	0.3A	2A	Within output power limitation*						Min. Current	0A	0A	0A	0A	0A
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Min. Current	0A	0A	0A	0A	0A																																												
<p>Output connector (option): Main (20pin), Main (20pin), AT, 12V, AUX, Processor, x5, x1, S-ATA x4, PCI-E x1</p> <p>Applicable OS for Auto-shutdown*3: Windows 95/98, Windows NT, Windows 2000, Windows XP</p> <p>Applicable Battery pack: BS16A-H24/2.0L (Under development), 3.5 inch bay, fixed type, Nickel Hydride battery</p>		<p>P30</p> <p>P26</p>																																															
Family																																																	
PCFL-180P-X2S1							No Backup function equipped																																										
							P19																																										

*1 Approval acquisition for safety standards is under way. *2 Derating is required for DC outputs. Refer to the product specification.

*3 Shutdown software (or UPS services) is required for Auto-shutdown.

Shutdown Software	
<p>NSP Pro for 95/98 NSP Pro for NT NSP Pro for 2000/XP</p> 	<p>Auto shutdown software</p> <p>[NSP Pro for 95/98] For Windows 95/98 "PS2601-01" and "PS2601-02" RS232C cables are furnished.</p> <p>[NSP Pro for NT] For Windows NT "PS2601-01" RS232C cable is furnished.</p> <p>[NSP Pro for 2000/XP] For Windows 2000/XP "PS2601-02" RS232C cable is furnished.</p>

Optional

AC Power Cord

PS2753



AC Power Cord
Rating : AC 125V, 12A
Cord length : 1800mm

Preventive Cable Clamp for AC Power Cord

PS2734



The preventive cable clamp for eNSP series. It prevents AC power cord from being disconnected as well as power switch from being mistakenly operated.
*For power cable, use "PS2753".
Power cables in the market may not fit.

ATX to AT Conversion Cable Harness

PS5055



ATX to AT conversion cable harness required when an ATX power supply is used instead of an AT power supply. PS5046 ON/OFF switch can be used with PS5055 to manually turn on/off the power supply.

Cable length : 200mm

ON/OFF Switch

PS5046



ON/OFF Switch for use with PS5055 ATX to AT conversion cable harness.
Connectable with [PCSA-250-H101] and [PCSA-250-H120].

Cable length : 500mm

ON/OFF Short Connector

PS5077



Always-On connector employed with ATX AT converting harness for [PS 5055].
Connectable with [PCSA-250-H101] and [PCSA-250-H120].
Please use this product when unnecessary to use switch operation.

Always-On ATX connector (20P 14 Pin short)

PS5073

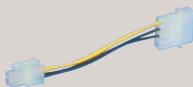


ATX output connectors (20 Pin) that shorten 14th Pin (PS_ON).
Please use the product when you would like to always-On the ATX power supply by AC input.

Length of harness: 100mm

ATX 12V Conversion Connector

PS5105
PS5105-02



Converts the connector for peripherals into a 12V power connector.

[PS5105]
Length : 80mm

[PS5105-02]
Length : 320mm

RS232C Cable

PS2601-01
PS2601-02



RS232C cable for PC shutdown control by Nonstop Power Supply with RS232C interface.

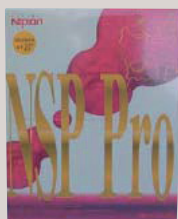
Cable length : 500mm

[PS2601-01]
For Windows 95/98, NT
[PS2601-02]
For Windows 2000, XP

*Nonstop power supply with RS232C function.

Shutdown Software

NSP Pro for 95/98
NSP Pro for NT
NSP Pro for 2000/XP



Auto shutdown software

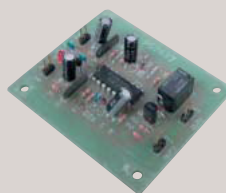
[NSP Pro for 95/98]
For Windows 95/98
"PS2601-01" and "PS2601-02" RS232C cables are furnished.

[NSP Pro for NT]
For Windows NT
"PS2601-01" RS232C cable is furnished.

[NSP Pro for 2000/XP]
For Windows 2000/XP
"PS2601-02" RS232C cable is furnished.

Automatic Startup Board

PS2637














PS2637 enables an ATX power supply to be started up automatically when the AC input is turned on. Thereby, PC can boot up in unattended environment without manually operating Power soft-key.

Removable Output Harness Listing

The following products are equipped with output configuration in form of multi-pin connector to correspond to various types of output cable harnesses.

Please select appropriate output cable harness from the list shown below.
(Output cable harness is optional for these power supplies listed below.)

Port	connector type	Type No. of removable output harness	Type No. of power supply										
			ePCSA-500P-X2S eNSP3-450P-S20-H1V eNSP4-500P-SA0-H1V	ePCSA-650P-E2S	PCSF-350P-X2S	pNSP2U-550P-AAS	PC1U-300P-E2S PC1U-400P-E2S	PCFL-180P series PCFD-180P-X2S fNSP9-180P-D2S					
MAIN Connecting port to the removable harness with motherboard connector (20 Pins, 24 Pins)		WH-M2024-500	—	Able to connect 1 cable	—	Able to connect 1 cable	—	Able to connect 1 cable	—	Able to connect 1 cable	—	Able to connect 1 cable	
		WH6113-13	—	—	—	—	—	—	—	—	—	—	—
		WH-M2022-500	—	—	—	—	—	—	—	—	—	—	—
		WH-M2424-500	—	—	—	—	—	—	—	—	—	—	—
		WH6113-12	—	—	—	—	—	—	—	—	—	—	—
12V Connecting port to the removable harness with 12V output connector such as +12V connector (4 Pins), processor connector (8 Pins), and PCI-E connector.		WH-V0408-500	—	Able to connect 1 cable	—	Able to connect 1 cable	—	Able to connect 1 cable	—	Able to connect 1 cable	—	—	
		WH-V0808-500	—	—	—	—	—	—	—	—	—	—	
		WH-VG208-500	—	Able to connect 1 cable	—	Able to connect 1 cable	—	Able to connect 1 cable	—	Able to connect 1 cable	—	—	
HD Connecting port to the removable harness, which has connectors for peripherals such as HDD and FDD.		WH-PP610-850	—	Able to connect 1 cable	—	Able to connect 2 cables	—	Able to connect 1 cable	—	Able to connect 1 cable	—	Able to connect 1 cable	
		WH-PS610-850	—	—	—	—	—	—	—	—	—	—	
		WH-PS710-850	—	—	—	—	—	—	—	—	—	—	
SIG Connecting port to the removable harness, which has connectors for signal such as Non-Stop power supply and Fan signals. * The use of signal connector is mostly subject to motherboard customization.		WH-S0610-500	—	—	—	—	—	—	—	—	—	—	
		WH-S0610-500-01	—	—	—	—	—	—	—	—	—	—	
		WH-S0603-500	—	Able to connect 1 cable	—	Able to connect 1 cable	—	Able to connect 1 cable	—	Able to connect 1 cable	—	—	
		WH-S0310-500	—	—	—	—	—	—	—	—	—	—	
		WH-S0303-500	—	—	—	—	—	—	—	—	—	—	
WH-S1616-500	—	—	—	—	—	—	—	—	—	—	—		

*Able to connect only for PC1U-300P-E2S

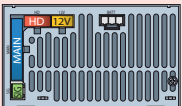
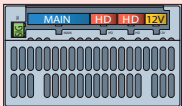
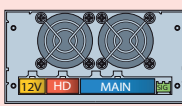
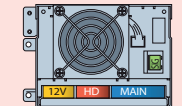
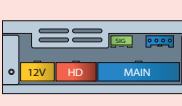
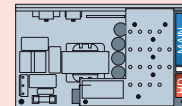
Removable output harness set
Output harness set is also available.

Type No.: WHS2828

This product includes:

- WH-M2024-500 : 1pc.
- WH-M2424-500 : 1pc.
- WH-V0808-500 : 1pc.
- WH-VG208-500 : 1pc.
- WH-PP610-850 : 1pc.
- WH-PS610-850 : 2pcs.

Port position
Connect removable harness to the following port.

Power supply type no.	ePCSA-500P-X2S eNSP3-450P-S20-H1V eNSP4-500P-SA0-H1V	ePCSA-650P-E2S	PCSF-350P-X2S	pNSP2U-550P-AAS	PC1U-300P-E2S PC1U-400P-E2S	PCFL-180P series PCFD-180P-X2S fNSP9-180P-D2S
						

*SIG connector is only for PC1U-300P-E2S.