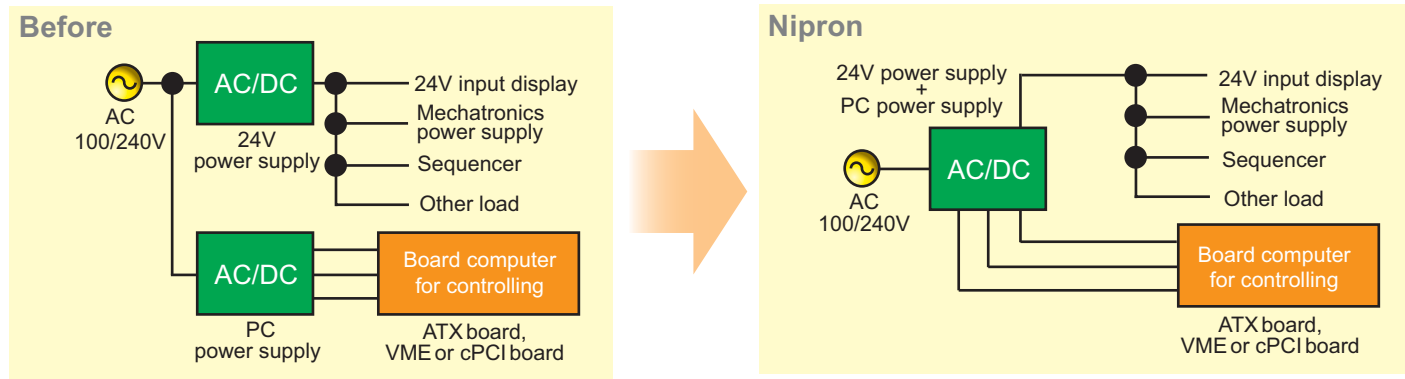


# Featuring ATX + 24V integrated power supply

ATX power supply is used for PC as a controller and 24V is for mechanical device for example moter and sequencer. These are recent trend. Are you preparing both ATX power supply and 24V single output power supply? Nipron will provide you many power supplies those are economical with both functions integrated, compact, and electrically interlocked.

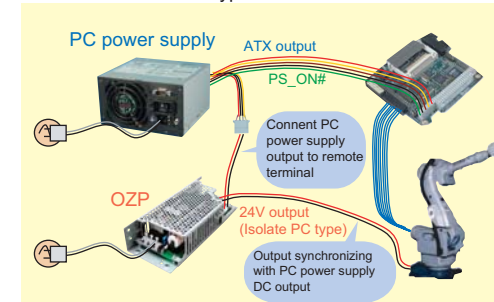


Model	Output					Input	Dimension	Nonstop adjustment	Feature	Output connector, etc.
	Voltage	Current	Peak	Min.	Capacity					
<b>NSP3-150-F2S</b> 	+5V	20A	20A	1.5A	152W continuous	AC85 - 264V with PFC	150(W) x 140(D) x 86(H)mm	BS05A-P24/2.2L(K)(Lead) 150W 6 min. 200W 4 min. RBS01A-P24/2.2L(K)(Lead) 150W 6 min. 200W 4 min.	+24V output is independent (insulated) of other output. NSP Pro for 95/98, NSP Pro for NT NSP Pro 2 (Windows 2000/XP/Vista) can be used as automatic shutdown software.	 UL CSA General catalog B-C102
	+12V	5A	5A	0A						
	+24V	2A	2A	0A						
	-12V	0.5A	0.5A	0A						
<b>NSP2-250-F2S</b> 	+5V	10A	10A	0.5A	240W continuous 255W at peak	AC90 - 264V without PFC DC24V start up available	150(W) x 140(D) x 86(H)mm	BS06A-H24/2.5L (Ni-MH, standby use) BS06B-H24/2.5L (Ni-MH, cycle use) 150W 8 min. 200W 6 min. BS08A-H24/2.0L (Ni-MH) 150W 3 min.	It can be used as DC-DC converter type power supply with DC24V input. Note: 48V input type is also prepared for other models. Operates as AC 100V/200V input and DC24V input nonstop power supply.	 General catalog B-C92
	+12V	4A	6A	0A						
	+24V	6A	8A	0A						
	-5V	0.2A	0.5A	0A						
	-12V	0.2A	0.5A	0A						
<b>PCFL-180P-F2S</b> 	+3.3V	10A	10A	0A	90W continuous 180W at peak	AC85 - 264V with PFC	93(W) x 160(D) x 55(H)mm	Back up operation at black out is possible by connecting dedicated battery pack. PCFL-180P-X2S2	Fanless ATX power supply which can stand heavy & duty environment.	 UL CSA EN CE General catalog B-E178
	+5V	10A	10A	0A						
	+12V	7.5A	15A	0A						
	+24V	3.75A	7.5A	0A						
	-12V	0.3A	0.3A	0A						
<b>PCFL-180P-F2S-SF</b> 	+3.3V	10A	10A	0A	150W continuous 180W peak	AC85 - 264V with PFC	100(W) x 186(D) x 63.5(H)mm	3.5 inch storage battery pack BS17A-H24/2.0L 100W 6 min.	Fan, package, and inlet are integrated with 150W (180W at peak) continuous. SFX12V APPENDIX D mounted side size.	General catalog B-E178
	+5V	10A	10A	0A						
	+12V	10A	15A	0A						
	+24V	5A	7.5A	0A						
	-12V	0.3A	0.3A	0A						

Model	Output					Input	Dimension	Nonstop adjustment	Features	Output connector etc.						
	Voltage	Current	Peak	Min.	Capacity											
<b>PS7103-03</b> 	+3.3V	10A	10A	0.5A	180W continuous 250W 10 sec. at peak	AC90 - 110V	300(W) x 100(D) x 80(H)mm	Compliant battery packs are: BS05A-P24/2.2L (Lead) RBS01A-P24/2.2L (Lead) BS06A-H24/2.5L (Ni-MH) BS06B-H24/2.5L (Ni-MH)	Developed for POS and ticket vending machine, and has mass production. 24V output is used for printer with 16A 1ms peak current. NSP Pro can be used as automatic shutdown software.	Harnesses can be prepared with your request. General catalog B-C142						
	+5V	20A	20A	2A												
	+12V	6.4A	8.1A	0.1A												
	+24V	4.2A	16A 1ms	0A												
	+5VSB	3.3A	3.3A	0A												
<b>NSPC-100-S10</b> 	+3.3V	6A	6A	0A	100W continuous	AC85 - 115V	138(W) x 76.5(D) x 188(H)mm	Back up operation at black out is possible by connecting 12V lead battery pack. *24V output function is not included. It is developed for POS as same as PS7103-03 above.	Developed as custom-made for POS. PCFL-180P-X2S2 is mounted. AC outlet interfaced with fan and switch of power supply is supplied.	*It differs from ATX output General catalog B-E187						
	+5V	6A	6A	0A												
	+12V	3.5A	3.5A	0A												
	-5V	0.2A	0.2A	0A												
	-12V	0.3A	0.3A	0A												
	+5VSB	0.72A	0.72A	0A												
<b>New</b> <b>GNSP3-750-24X05</b> 	+24V	15A	22.5A	0A	710W continuous 1070W at peak	AC85 - 264V with PFC circuit	82(W) x 128(D) x 235(H)mm	Back up operation at blackout for both ATX and 24V high-capacity output is possible by connecting 48V lead battery. Back up operation of 24V side could be shut down earlier. BS19A-P48/5.0L 164W x 235D x 128H mm (width 4U height 3U size)	New product especially featured as ATX+24V power supply. Independent remote ON-OFF (outside signal) is possible for both 24V and ATX output. These two outputs are totally independent (insulated). NSP Pro can be used for automatic shutdown.	 UL EN *Scheduled to be compliant General catalog C-D12						
	+3.3V	14A	20A	0A												
	+5V	21A	30A	0A												
	+12V	28A	40A	0A												
	-12V	0.3A	0.3A	0A												
	+5VSB	1.5A	1.5A	0A												
	<b>Medical standard Compliant</b> mGPSA-360 series mGPSA-750 series 															
	By connecting dedicated battery pack in the way shown below, back up operation at black out is possible. 															
	Expensive insulating transformer corresponding medical standards will not be needed. (0.3mA of low leakage current at AC264V input) 															
mGPSA series UL/CSA/IEC 60601-1 UL/CSA/IEC 60950-1 (GPSA series) General catalog C-E122 C-E136  (Output harnesses are optional.) PCUI-180P series General catalog B-E172																
<b>PCUI-180P-X2SP1/X2SF1</b> +3.3V 10A 10A 0A +5V 10A 10A 0A +12V 10A 15A 0A -12V 0.3A 0.3A 0A +5VSB 1.5A 2A 0A mGPSA-360-24-TP PCUI-180P-X2SP1 +24V 7.7A 12A 0A mGPSA-750-24-TP PCUI-180P-X2SF1 +24V 24A 33A 0A																

If you still need power supply separately...  
Interlocking operation of 24V output will be possible by combining PC power supply and OZP series.

Example of connecting PC and Mechatronics type



Timing of each output

