



P1050-MA/P1375-MA/P1700-MA-EU

Product Features



- Surpass 80 Plus Platinum level, achieving 93% efficiency (230VAC, 50% load)
- Continuous full power with average 110% peak power; P1700-MA-EU up to 1800W peak output
- Modular cable design with flat peripheral cables simplifies the installation of PSU and cable management (P1700-MA-EU & P1375-MA are Full modular)
- 135mm ball bearing fan with thermal speed control delivers silent and durable cooling performance
- High density PCB makes P1700-MA-EU & P1375-MA only 18cm in depth, providing extra room to dissipate the heat inside chassis
- Full Bridge (P1700-MA-EU & P1375-MA) and LLC resonant converter (P1050-MA) topologies with Zero Voltage Switch (ZVS) circuitry help PSU achieve high efficiency
- Solid state capacitors and 105°C Japanese grade A capacitors offer great reliability & longer lifespan
- Intel Haswell fully supported by DC to DC converter design, which ensures the stability of output voltage when CPU goes into C6/C7 power states
- Multiple +12V rails with high maximum loads give great compatibility with heavy-duty graphics cards
- Able to run 4-way GPU (SLI / CrossFireX) and dual CPUs together without difficulty
- Comply with EU 2013 ErP Lot 6 standards (lower than 0.5W power consumption at standby mode)
- System safety assured by comprehensive protection of Over Power, Over Voltage, Under Voltage, Over Current, Over Temperature, and Short-circuit
- ATX12V version 2.4 and EPS12V version 2.92 compliant

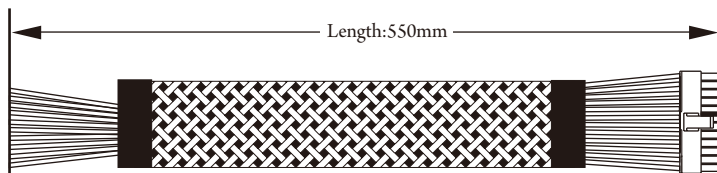
Product Specifications

Model		P1050-MA 		P1375-MA 		P1700-MA-EU 	
AC Input		100-240VAC, 50-60Hz, 12.4-5A		110-240VAC, 50-60Hz, 14.5-6.5A		220-240VAC, 50-60Hz, 9-8A	
DC Output	+3.3V	24A	120W	24A	120W	25A	140W
	+5V	24A		24A		25A	
	+12V1	30A	1044W (87A)	20A	1374W (114.5A)	20A	1692W (141A)
	+12V2	30A		20A		20A	
	+12V3	30A		30A		30A	
	+12V4	30A		30A		30A	
	+12V5	-		30A		30A	
	+12V6	-		30A		30A	
	-12V	0.5A	6W	0.5A	6W	0.5A	6W
	+5Vsb	3A	15W	3A	15W	4A	20W
Total Power		1050W		1375W		1700W	
Peak Power		1155W		1600W		1800W	
MTBF		> 100,000 hours @ 25°C		> 100,000 hours @ 25°C		> 100,000 hours @ 25°C	
Operating Temp.		0 ~ 50°C		0 ~ 50°C		0 ~ 40°C	
Fan speed		700 ~ 1700 rpm		1000 ~ 2500 rpm		1000 ~ 2500 rpm	
Dimensions		175(D) x 150(W) x 86(H) mm		180(D) x 150(W) x 86(H) mm		180(D) x 150(W) x 86(H) mm	
Safety							

Protection Circuit

Trigger Range / Status						
Model No.	P1050-MA			P1375-MA / P1700-MA-EU		
DC Rail	+3.3V	+5V	+12V1-V4	+3.3V	+5V	+12V1-V6
Over Current Protection	30-40A	30-40A	40-55A	30-45A	30-45A	40-55A
Over Voltage Protection	3.7-4.1V	5.7-6.5V	13.1-14.5V	3.9-4.5V	5.7-6.5V	13.3-14.5V
Under Voltage Protection	2.0-2.4V	3.3-3.7V	8.5-9.5V	2.0-2.4V	3.3-3.7V	8.5-9.5V
Over Power Protection	112~150% of rated max load			110~160% of rated max load		
Over Temperature Protection	90~120°C at the heat sink			100~125°C from main transformer core (P1375-MA) 100~130°C from main transformer core (P1700-MA-EU)		
Short-circuit Protection	Main output power shall latch into shut down state within 50ms when short circuit applied					

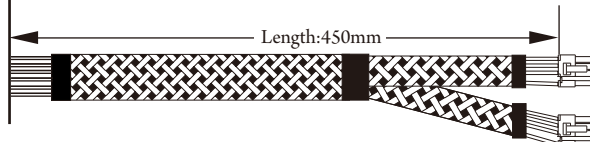
【 24P MB 】
1050W x 1



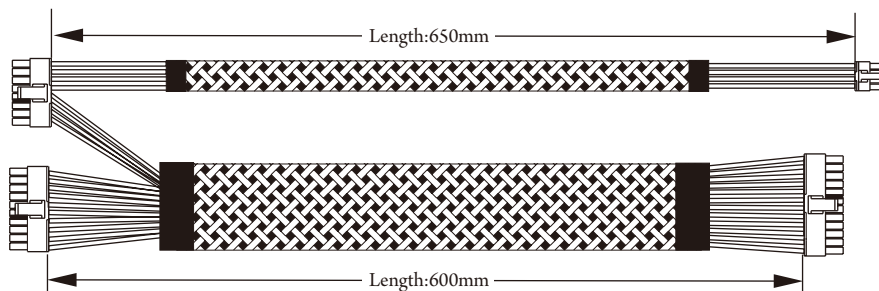
【 8P & 4+4P + 12V CPU 】
1050W x 1



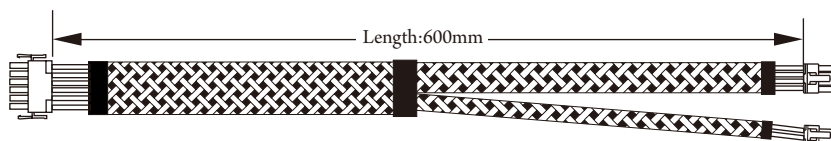
【 2 x 6+2P PCI-E 】
1050W x 1



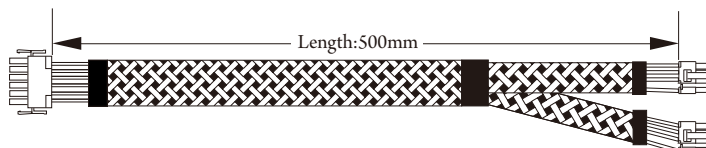
【 24P MB & 8P CPU 】
1375W x 1
1700W x 1



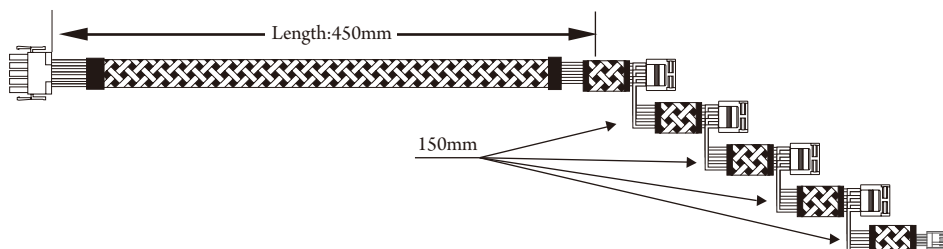
【 8P & 4P + 12V CPU 】
1375W x 1
1700W x 1



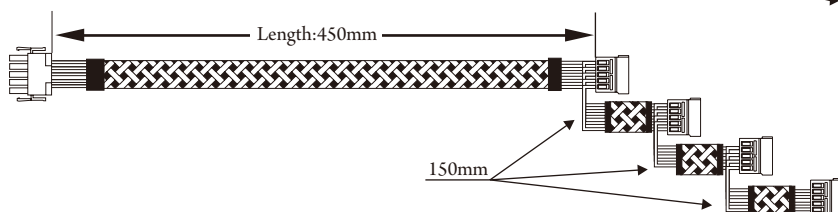
【 2 x 6+2P PCI-E 】
1050W x 2
1375W x 4
1700W x 5



【 4 x 4P Molex & FDD 】
1050W x 1
1375W x 2
1700W x 2



【 4 x SATA 】
1050W x 2
1375W x 3
1700W x 3



【 2 x SATA & 2 x 4P Molex 】
1050W x 2
1375W x 1
1700W x 1

