

Model Series	AXi			AX		
Model	AX1200i	AX860i	AX760i	AX1200	AX860	AX850
Top-Level Specs						
Continuous power (W)	1200W	860W	760W	1200W	860W	850W
Peak power (W)*	1320W	946W	836W	1320W	946W	935W
ATX12V Version	2.4	2.4	2.4	2.4	2.4	2.4
EPS12V Version	2.92	2.92	2.92	2.92	2.92	2.92
Modular cable management	Fully modular	Fully modular	Fully modular	Fully modular	Fully modular	Fully modular
Special technology	DSP	DSP	DSP	N/A	N/A	N/A
C-Link Digital	Yes	Yes	Yes	No	No	No
C-Link Ready	N/A	N/A	N/A	No	No	No
MTBF (hours)	100,000.	100,000.	100,000.	100,000.	100,000.	100,000.
Operating temperature range (°C)	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C
Continuous output rated temperature (°C)	50°C	50°C	50°C	50°C	50°C	50°C
Warranty (Years)	7	7	7	7	7	7
AC Input specs						
Input Voltage (VAC)	100 - 240V	100 - 240V	100 - 240V	100 - 240V	100 - 240V	90 - 264V
Input Frequency (Hz)	50 - 60Hz	50 - 60Hz	50 - 60Hz	50 - 60Hz	50 - 60Hz	50 - 60Hz
Input current (A)	7.5A - 15A	6A - 12A	5A - 10A	7.5A - 15A	5.5A - 11A	5A - 10A
PFC	Yes	Yes	Yes	Yes	Yes	Yes
Power factor at 100% load	0.99	0.99	0.99	0.99	0.99	0.99
Intel C6/C7 sleep state compatible	Yes	Yes	Yes	Yes	Yes	Yes
Hold-up time (ms)	16.0	16.0	16.0	16.0	16.0	16.0
DC Output specs						
Ability to toggle single/multiple +12V rails	Yes	Yes	Yes	No	No	No
+12V (A)	100.4A	71.6A	63.3A	100.4A	71A	70A
+12V (W)	1204.8W	859.2W	759.6W	1204.8W	852W	840W
+3.3V (A)	30A	25A	25A	30A	25A	25A
+5V (A)	30A	25A	25A	30A	25A	25A
Max. combined power 3.3V + 5V (W)	180W	125W	125W	180W	125W	125W
+5Vsb (A)	3.5A	3A	3A	3.5A	3A	3A
-12V (A)	0.8A	0.8A	0.8A	0.8A	0.5A	0.5A
Cooling Solution						
Fanless mode	Yes	Yes	Yes	No	Yes	Yes
Load for fan to turn on (%)	0.3	0.3	0.3	N/A	0.6	0.2
Fan bearing technology	DBB	DBB	DBB	DBB	DBB	DBB
Fan size (mm)	140mm	120mm	120mm	140mm	120mm	120mm
Max. fan speed (rpm)	1,030	1,360	1,035	1,405	2,150	1,944
dB(A) at 20% load (6 dB(A) noise floor)	6.0	6.0	6.0	21.0	6.0	6.0
dB(A) at 50% load	13.6	8.9	12.2	23.0	0.0	18.9
dB(A) at 100% load	22.9	28.8	23.5	31.6	29.0	33.9
Protections & safety certifications						
OCP (over current protection)	Yes	Yes	Yes	Yes	Yes	Yes
OVP (over voltage protection)	Yes	Yes	Yes	Yes	Yes	Yes
UVP (under voltage protection)	Yes	Yes	Yes	Yes	Yes	Yes
SCP (short circuit protection)	Yes	Yes	Yes	Yes	Yes	Yes
OTP (over temperature protection)	Yes	Yes	Yes	Yes	Yes	Yes
OPP (over power protection)	Yes	Yes	Yes	Yes	Yes	Yes
CE	Yes	Yes	Yes	Yes	Yes	Yes
CB	Yes	Yes	Yes	Yes	Yes	Yes
TÜV	Yes	Yes	Yes	Yes	Yes	Yes
FCC	Yes	Yes	Yes	Yes	Yes	Yes
cUL	Yes	Yes	Yes	Yes	Yes	Yes
cTÜVs	Yes	Yes	Yes	Yes	Yes	Yes
CCC (China)	Yes	Yes	Yes	Yes	Yes	Yes
BSMI (Taiwan)	Yes	Yes	Yes	Yes	Yes	Yes
GOST-R (Russia)	Yes	Yes	Yes	Yes	Yes	Yes
KC Mark (Korea)	Yes	Yes	Yes	Yes	Yes	No
IRAM (Argentina)	Yes	Yes	Yes	Yes	Yes	No
RCM (C-Tick, A-Tick, RCM) (Aus/NZ)	Yes	Yes	Yes	Yes	Yes	Yes
Efficiency						
80 PLUS certification level	Platinum	Platinum	Platinum	Gold	Platinum	Gold
Efficiency (%) at 115V, 10% load**	88.00%	85.21%	84.99%	88.98%	88.98%	88.98%
Efficiency (%) at 115V, 20% load**	91.00%	90.43%	90.03%	88.46%	91.73%	88.93%
Efficiency (%) at 115V, 50% load**	92.25%	92.33%	92.22%	90.48%	92.33%	91.02%
Efficiency (%) at 115V, 100% load**	89.35%	90.04%	90.17%	87.62%	89.87%	87.82%
Efficiency (%) at 230V, 10% load***	87.45%	87.40%	85.96%	89.95%	89.95%	89.95%
Efficiency (%) at 230V, 20% load***	92.04%	92.12%	91.08%	89.44%	91.63%	88.86%
Efficiency (%) at 230V, 50% load***	93.50%	93.71%	93.57%	92.10%	92.10%	91.75%
Efficiency (%) at 230V, 100% load***	92.36%	92.05%	92.35%	90.32%	89.44%	89.56%
Power consumption in standby (W)	<0.45W	<0.45W	<0.45W	<0.9W	<0.45W	<0.9W
Energy Star	5.0	5.0	5.0	5.0	5.0	5.0
ErP Lot 6	2013	2013	2013	2010	2013	2010
WEEE	Yes	Yes	Yes	Yes	Yes	Yes
RoHS	Yes	Yes	Yes	Yes	Yes	Yes
DC Output cables						
Modular cable management	Fully modular	Fully modular	Fully modular	Fully modular	Fully modular	Fully modular
Sleeved cables	No	No	No	No	No	No
Flat cables	Yes	Yes	Yes	Yes	Yes	Yes
No. of cables	19 (including C-Link cable)	15 (including C-Link cable)	15 (including C-Link cable)	19	14	15
Motherboard cable (20+4 pin)	1	1	1	1	1	1
Motherboard cable length (mm, +/- 10mm)	610mm	610mm	610mm	610mm	610mm	610mm
4+4-pin (CPU, works as either 4 or 8-pin)	2	2	2	2	2	2
CPU power cable length (mm, +/- 10mm)	650mm	650mm	650mm	610mm	650mm	650mm
PCIe 6+2 pin (GPU)	8	8	6	6	6	4
PCIe power cable length (mm, +/- 10mm)	600mm	600mm	600mm	600mm	600mm	600mm
4-pin Peripheral power connector ("Molex", HDD)	12	8	12	12	8	8
SATA 5-pin connector	16	12	12	16	12	12
Floppy power	2	2	2	2	2	2
Multi-GPU ready	Yes	Yes	Yes	Yes	Yes	Yes
Misc						
Dimensions without cable (L x W x D), (mm)	200mm x 150mm x 86mm	180mm x 150mm x 86mm	180mm x 150mm x 86mm	200mm x 150mm x 86mm	160mm x 150mm x 86mm	160mm x 150mm x 86mm
Color	Black	Black	Black	Black	Black	Black
Material	Steel	Steel	Steel	Steel	Steel	Steel
Logistical data						
Dimensions, package (L x W x D), (mm)	390 x 153 x 224	337 x 135 x 213	337 x 135 x 213	390 x 153 x 224	293 x 135 x 213	390 x 153 x 224
Gross weight, package (kg)	4.6	3.8	3.8	4.5	2.7	1.8
Pieces per packaging unit	2	2	2	2	6	2
Dimensions, shipping box (L x W x D), (mm)	465 x 410 x 170	440 x 346 x 154	440 x 346 x 154	465 x 410 x 170	425 x 310 x 445	465 x 410 x 170
Gross weight, shipping box (kg)	9.9	8.3	8.3	9.7	16.9	4.3

	AX760	AX750	HX HX1050	HX850	HX750	HX650
Top-Level Specs						
Continuous power (W)	760W	750W	1050W	850W	750W	650W
Peak power (W)*	836W	825W	1155W	935W	825W	715W
ATX12V Version	2.4	2.4	2.4	2.4	2.4	2.4
EPS12V Version	2.92	2.92	2.92	2.92	2.92	2.92
Modular cable management	Fully modular	Fully modular	Semi modular	Semi modular	Semi modular	Semi modular
Special technology	N/A	N/A	N/A	N/A	N/A	N/A
C-Link Digital	No	No	No	No	No	No
C-Link Ready	No	No	No	No	No	No
MTBF (hours)	100,000.	100,000.	100,000.	100,000.	100,000.	100,000.
Operating temperature range (°C)	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C
Continuous output rated temperature (°C)	50°C	50°C	50°C	50°C	50°C	50°C
Warranty (Years)	7	7	7	7	7	7
AC Input specs						
Input Voltage (VAC)	100 - 240V	90 - 264V	100 - 240V	100 - 240V	100 - 240V	100 - 240V
Input Frequency (Hz)	50 - 60Hz	50 - 60Hz	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz	50 - 60 Hz
Input current (A)	4.5A - 9.5A	4.5A - 9A	6.5A - 13A	6A - 12A	5A - 10A	4.5A - 9A
PFC	Yes	Yes	Yes	Yes	Yes	Yes
Power factor at 100% load	0.99	0.99	0.99	0.99	0.99	0.99
Intel C6/C7 sleep state compatible	Yes	Yes	Yes	Yes	Yes	Yes
Hold-up time (ms)	16.0	16.0	16.0	16.0	16.0	16.0
DC Output specs						
Ability to toggle single/multiple +12V rails	No	No	No	No	No	No
+12V (A)	63A	62A	87.5A	70A	62A	54A
+12V (W)	756W	744W	1050W	840W	744W	648W
+3.3V (A)	25A	25A	25A	25A	25A	20A
+5V (A)	25A	25A	25A	25A	25A	20A
Max. combined power 3.3V + 5V (W)	125W	125W	150W	150W	150W	100W
+5Vsb (A)	3A	3A	3A	3A	3A	2.5A
-12V (A)	0.5A	0.5A	0.8A	0.8A	0.8A	0.3A
Cooling Solution						
Fanless mode	Yes	Yes	Yes	Yes	Yes	Yes
Load for fan to turn on (%)	0.6	0.2	0.2	0.2	0.2	0.2
Fan bearing technology	DBB	DBB	DBB	DBB	DBB	DBB
Fan size (mm)	120mm	120mm	140mm	140mm	140mm	140mm
Max. fan speed (rpm)	1,650	1,788	1,860	1,310	1,250	2,195
dB(A) at 20% load (6 dB(A) noise floor)	6.0	6.0	6.0	6.0	6.0	6.0
dB(A) at 50% load	0.0	11.5	20.2	16.1	16.1	21.6
dB(A) at 100% load	24.0	37.4	40.1	32.0	30.8	46.9
Protections & safety certifications						
OCP (over current protection)	Yes	Yes	Yes	Yes	Yes	Yes
OVP (over voltage protection)	Yes	Yes	Yes	Yes	Yes	Yes
UVP (under voltage protection)	Yes	Yes	Yes	Yes	Yes	Yes
SCP (short circuit protection)	Yes	Yes	Yes	Yes	Yes	Yes
OTP (over temperature protection)	Yes	Yes	Yes	Yes	Yes	Yes
OPP (over power protection)	Yes	Yes	Yes	Yes	Yes	Yes
CE	Yes	Yes	Yes	Yes	Yes	Yes
CB	Yes	Yes	Yes	Yes	Yes	Yes
TÜV	Yes	Yes	Yes	Yes	Yes	Yes
FCC	Yes	Yes	Yes	Yes	Yes	Yes
cUL	Yes	Yes	Yes	Yes	Yes	Yes
cTÜVs	Yes	Yes	No	No	No	No
CCC (China)	Yes	Yes	Yes	Yes	Yes	Yes
BSMI (Taiwan)	Yes	Yes	Yes	Yes	Yes	Yes
GOST-R (Russia)	Yes	Yes	Yes	Yes	Yes	Yes
KC Mark (Korea)	Yes	Yes	Yes	Yes	Yes	Yes
IRAM (Argentina)	Yes	Yes	Yes	Yes	Yes	Yes
RCM (C-Tick, A-Tick, RCM) (Aus/NZ)	Yes	Yes	Yes	Yes	Yes	Yes
Efficiency						
80 PLUS certification level	Platinum	Gold	Gold	Gold	Gold	Gold
Efficiency (%) at 115V, 10% load**	88.47%	88.41%	85.73%	82.23%	81.79%	84.32%
Efficiency (%) at 115V, 20% load**	91.53%	88.41%	89.72%	88.49%	87.60%	88.41%
Efficiency (%) at 115V, 50% load**	92.39%	90.80%	90.76%	90.53%	90.24%	90.43%
Efficiency (%) at 115V, 100% load**	90.00%	88.11%	87.33%	87.73%	87.69%	87.94%
Efficiency (%) at 230V, 10% load***	88.93%	84.81%	84.81%	82.40%	82.60%	84.75%
Efficiency (%) at 230V, 20% load***	92.33%	89.29%	89.55%	88.86%	88.27%	89.94%
Efficiency (%) at 230V, 50% load***	93.40%	92.05%	91.46%	91.04%	91.00%	92.12%
Efficiency (%) at 230V, 100% load***	91.82%	90.31%	89.58%	89.59%	89.14%	89.69%
Power consumption in standby (W)	<0.45W	<0.9W	<0.45W	<0.45W	<0.45W	<0.45W
Energy Star	5.0	5.0	5.0	5.0	5.0	5.0
ErP Lot 6	2013	2010	2013	2013	2013	2013
WEEE	Yes	Yes	Yes	Yes	Yes	Yes
RoHS	Yes	Yes	Yes	Yes	Yes	Yes
DC Output cables						
Modular cable management	Fully modular	Fully modular	Semi modular	Semi modular	Semi modular	Semi modular
Sleeved cables	No	No	Yes	Yes	Yes	Yes
Flat cables	Yes	Yes	Yes	Yes	Yes	Yes
No. of cables	14	15	17	16	13	10
Motherboard cable (20+4 pin)	1	1	1	1	1	1
Motherboard cable length (mm, +/- 10mm)	610mm	610mm	610mm	610mm	610mm	610mm
4+4-pin (CPU, works as either 4 or 8-pin)	2	2	2	2	1	1
CPU power cable length (mm, +/- 10mm)	650mm	650mm	650mm	650mm	650mm	650mm
PCIe 6+2 pin (GPU)	4	4	6	6	4	2
PCIe power cable length (mm, +/- 10mm)	600mm	600mm	600mm	600mm	600mm	600mm
4-pin Peripheral power connector ("Molex", HDD)	8	8	12	12	8	8
SATA 5-pin connector	12	12	12	12	12	8
Floppy power	2	2	2	2	2	2
Multi-GPU ready	Yes	Yes	Yes	Yes	Yes	Yes
Misc						
Dimensions without cable (L x W x D), (mm)	160mm x 150mm x 86mm	160mm x 150mm x 86mm	180mm x 150mm x 86mm	180mm x 150mm x 86mm	180mm x 150mm x 86mm	150mm x 150mm x 86mm
Color	Black	Black	Black	Black	Black	Black
Material	Steel	Steel	Steel	Steel	Steel	Steel
Logistical data						
Dimensions, package (L x W x D), (mm)	293 x 135 x 213	390 x 153 x 224	390 x 153 x 224	390 x 153 x 224	390 x 153 x 224	293 x 135 x 213
Gross weight, package (kg)	1.8	1.8	2.7	2.5	2.4	2.4
Pieces per packaging unit	6	2	2	2	2	6
Dimensions, shipping box (L x W x D), (mm)	425 x 310 x 445	465 x 410 x 170	465 x 410 x 170	465 x 410 x 170	465 x 410 x 170	425 x 310 x 445
Gross weight, shipping box (kg)	11.5	4.3	6.1	5.7	5.5	15.1

	RM RM1000	RM850	RM750	RM650	RM550	RM450
Top-Level Specs						
Continuous power (W)	1000W	850W	750W	650W	550W	450W
Peak power (W)*	1100W	935W	825W	715W	605W	495W
ATX12V Version	2.4	2.4	2.4	2.4	2.4	2.4
EPS12V Version	2.92	2.92	2.92	2.92	2.92	2.92
Modular cable management	Fully modular	Fully modular	Fully modular	Fully modular	Fully modular	Fully modular
Special technology	N/A	N/A	N/A	N/A	N/A	N/A
C-Link Digital	No	No	No	No	No	No
C-Link Ready	Yes (Basic)	Yes (Basic)	Yes (Basic)	Yes (Basic)	Yes (Basic)	Yes (Basic)
MTBF (hours)	100,000.	100,000.	100,000.	100,000.	100,000.	100,000.
Operating temperature range (°C)	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C
Continuous output rated temperature (°C)	40°C	40°C	40°C	40°C	40°C	40°C
Warranty (Years)	5	5	5	5	5	5
AC Input specs						
Input Voltage (VAC)	100 - 240V	100 - 240V	100 - 240V	100 - 240V	100 - 240V	100 - 240V
Input Frequency (Hz)	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz
Input current (A)	6.5A - 13A	6A - 12A	5A - 10A	5A - 10A	5A - 10A	5A - 10A
PFC	Yes	Yes	Yes	Yes	Yes	Yes
Power factor at 100% load	0.99	0.99	0.99	0.99	0.99	0.99
Intel C6/C7 sleep state compatible	Yes	Yes	Yes	Yes	Yes	Yes
Hold-up time (ms)	16.0	16.0	16.0	16.0	16.0	16.0
DC Output specs						
Ability to toggle single/multiple +12V rails	No	No	No	No	No	No
+12V (A)	83.3A	70.8A	62.5A	54A	45.8A	37.5A
+12V (W)	1000W	850W	750W	650W	550W	450W
+3.3V (A)	25A	25A	25A	25A	25A	24A
+5V (A)	25A	25A	25A	25A	25A	22A
Max. combined power 3.3V + 5V (W)	150W	150W	150W	130W	130W	110W
+5Vsb (A)	3A	3A	3A	3A	3A	3A
-12V (A)	0.8A	0.8A	0.8A	0.8A	0.8A	0.8A
Cooling Solution						
Fanless mode	Yes	Yes	Yes	Yes	Yes	Yes
Load for fan to turn on (%)	0.4	0.4	0.4	0.4	0.4	0.4
Fan bearing technology	Rifled	Rifled	Rifled	Rifled	Rifled	Rifled
Fan size (mm)	140mm	140mm	140mm	140mm	140mm	140mm
Max. fan speed (rpm)	1,105	1,060	745	1,050	924	924
dB(A) at 20% load (6 dB(A) noise floor)	6.0	6.0	6.0	6.0	6.0	6.0
dB(A) at 50% load	10.9	12.4	12.4	10.9	10.9	10.9
dB(A) at 100% load	26.7	23.0	23.0	24.8	21.1	21.1
Protections & safety certifications						
OCP (over current protection)	Yes	Yes	Yes	Yes	Yes	Yes
OVP (over voltage protection)	Yes	Yes	Yes	Yes	Yes	Yes
UVP (under voltage protection)	Yes	Yes	Yes	Yes	Yes	Yes
SCP (short circuit protection)	Yes	Yes	Yes	Yes	Yes	Yes
OTP (over temperature protection)	Yes	Yes	Yes	Yes	Yes	Yes
OPP (over power protection)	Yes	Yes	Yes	Yes	Yes	Yes
CE	Yes	Yes	Yes	Yes	Yes	Yes
CB	Yes	Yes	Yes	Yes	Yes	Yes
TÜV	Yes	Yes	Yes	Yes	Yes	Yes
FCC	Yes	Yes	Yes	Yes	Yes	Yes
cUL	Yes	Yes	Yes	Yes	Yes	Yes
cTÜVs	No	No	No	No	No	No
CCC (China)	Yes	Yes	Yes	Yes	Yes	Yes
BSMI (Taiwan)	Yes	Yes	Yes	Yes	Yes	Yes
GOST-R (Russia)	Yes	Yes	Yes	Yes	Yes	Yes
KC Mark (Korea)	Yes	Yes	Yes	Yes	Yes	Yes
IRAM (Argentina)	Yes	Yes	Yes	Yes	Yes	Yes
RCM (C-Tick, A-Tick, RCM) (Aus/NZ)	Yes	Yes	Yes	Yes	Yes	Yes
Efficiency						
80 PLUS certification level	Gold	Gold	Gold	Gold	Gold	Gold
Efficiency (%) at 115V, 10% load**	87.79%	85.05%	83.79%	85.76%	84.68%	82.18%
Efficiency (%) at 115V, 20% load**	90.68%	88.97%	88.64%	89.67%	88.60%	87.86%
Efficiency (%) at 115V, 50% load**	91.13%	90.43%	90.23%	90.76%	90.58%	90.43%
Efficiency (%) at 115V, 100% load**	87.32%	87.53%	87.94%	87.33%	87.70%	87.51%
Efficiency (%) at 230V, 10% load***	88.92%	84.91%	84.19%	86.16%	84.96%	82.29%
Efficiency (%) at 230V, 20% load***	91.72%	89.98%	89.54%	90.34%	89.26%	88.25%
Efficiency (%) at 230V, 50% load***	92.36%	91.84%	91.84%	91.87%	91.92%	91.47%
Efficiency (%) at 230V, 100% load***	89.42%	89.90%	90.38%	89.26%	89.53%	89.74%
Power consumption in standby (W)	<0.45W	<0.45W	<0.45W	<0.45W	<0.45W	<0.45W
Energy Star	5.0	5.0	5.0	5.0	5.0	5.0
ErP Lot 6	2,013	2,013	2,013	2,013	2,013	2,013
WEEE	Yes	Yes	Yes	Yes	Yes	Yes
RoHS	Yes	Yes	Yes	Yes	Yes	Yes
DC Output cables						
Modular cable management	Fully modular	Fully modular	Fully modular	Fully modular	Fully modular	Fully modular
Sleeved cables	No	No	No	No	No	No
Flat cables	Yes	Yes	Yes	Yes	Yes	Yes
No. of cables	15	13	10	10	7	7
Motherboard cable (20+4 pin)	1	1	1	1	1	1
Motherboard cable length (mm, +/- 10mm)	610mm	610mm	610mm	610mm	610mm	610mm
4+4-pin (CPU, works as either 4 or 8-pin)	1	1	1	1	1	1
CPU power cable length (mm, +/- 10mm)	650mm	650mm	650mm	650mm	650mm	650mm
PCIe 6+2 pin (GPU)	8	6	4	4	2	2
PCIe power cable length (mm, +/- 10mm)	750mm	750mm	750mm	750mm	750mm	750mm
4-pin Peripheral power connector ("Molex", HDD)	11	8	7	7	4	4
SATA 5-pin connector	12	10	8	8	6	6
Floppy power	2	1	1	1	1	1
Multi-GPU ready	Yes	Yes	Yes	Yes	Yes	Yes
Misc						
Dimensions without cable (L x W x D), (mm)	180mm x 150mm x 86mm	180mm x 150mm x 86mm	180mm x 150mm x 86mm	160mm x 150mm x 86mm	160mm x 150mm x 86mm	160mm x 150mm x 86mm
Color	Black	Black	Black	Black	Black	Black
Material	Steel	Steel	Steel	Steel	Steel	Steel
Logistical data						
Dimensions, package (L x W x D), (mm)	390 x 153 x 224	390 x 153 x 224	390 x 153 x 224	293 x 135 x 213	293 x 135 x 213	293 x 135 x 213
Gross weight, package (kg)	3.55	3.85	3.65	2.97	2.72	2.76
Pieces per packaging unit	2	2	2	6	6	6
Dimensions, shipping box (L x W x D), (mm)	470 x 405 x 170	470 x 405 x 170	470 x 405 x 170	425 x 310 x 445	425 x 310 x 445	425 x 310 x 445
Gross weight, shipping box (kg)	8.1	8.7	8.3	18.82	17.32	17.56

	TX-M TX850M	TX750M	TX650M	TX TX850	TX750	TX650
Top-Level Specs						
Continuous power (W)	850W	750W	650W	850W	750W	650W
Peak power (W)*	935W	825W	715W	935W	825W	715W
ATX12V Version	2.4	2.4	2.4	2.4	2.4	2.4
EPS12V Version	2.92	2.92	2.92	2.92	2.92	2.92
Modular cable management	Semi modular	Semi modular	Semi modular	None (fixed cables)	None (fixed cables)	None (fixed cables)
Special technology	N/A	N/A	N/A	N/A	N/A	N/A
C-Link Digital	No	No	No	No	No	No
C-Link Ready	No	No	No	No	No	No
MTBF (hours)	100,000.	100,000.	100,000.	100,000.	100,000.	100,000.
Operating temperature range (°C)	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C
Continuous output rated temperature (°C)	50°C	50°C	50°C	50°C	50°C	50°C
Warranty (Years)	5	5	5	5	5	5
AC Input specs						
Input Voltage (VAC)	100 - 240V	100 - 240V	90 - 264V	100 - 240V	100 - 240V	90 - 264V
Input Frequency (Hz)	50 - 60 Hz	50 - 60 Hz	47 - 63 Hz	50 - 60 Hz	50 - 60 Hz	47 - 63 Hz
Input current (A)	6A -12A	6A -12A	5A - 10A	6A -12A	6A - 12A	5A - 10A
PFC	Yes	Yes	Yes	Yes	Yes	Yes
Power factor at 100% load	0.99	0.99	0.99	0.99	0.99	0.99
Intel C6/C7 sleep state compatible	Yes	Yes	Yes	Yes	Yes	Yes
Hold-up time (ms)	16.0	16.0	16.0	16.0	16.0	16.0
DC Output specs						
Ability to toggle single/multiple +12V rails	No	No	No	No	No	No
+12V (A)	70A	62A	54A	70A	62A	54A
+12V (W)	840W	744W	648W	840W	744W	648W
+3.3V (A)	30A	30A	30A	30A	30A	30A
+5V (A)	30A	30A	30A	30A	30A	30A
Max. combined power 3.3V + 5V (W)	150W	150W	150W	150W	150W	150W
+5Vsb (A)	3A	3A	3A	3A	3A	3A
-12V (A)	0.8A	0.8A	0.8A	0.8A	0.8A	0.8A
Cooling Solution						
Fanless mode	Yes	Yes	Yes	Yes	Yes	Yes
Load for fan to turn on (%)	0.3	0.3	0.3	0.3	0.3	0.3
Fan bearing technology	DBB	DBB	DBB	DBB	DBB	DBB
Fan size (mm)	140mm	140mm	140mm	140mm	140mm	140mm
Max. fan speed (rpm)	2,202	1,212	1,546	2,082	1,305	1,316
dB(A) at 20% load (6 dB(A) noise floor)	6.0	6.0	6.0	6.0	6.0	6.0
dB(A) at 50% load	25.9	21.9	15.8	25.9	21.9	15.8
dB(A) at 100% load	39.2	30.4	33.1	39.2	30.4	33.1
Protections & safety certifications						
OCP (over current protection)	Yes	Yes	Yes	Yes	Yes	Yes
OVP (over voltage protection)	Yes	Yes	Yes	Yes	Yes	Yes
UVP (under voltage protection)	Yes	Yes	Yes	Yes	Yes	Yes
SCP (short circuit protection)	Yes	Yes	Yes	Yes	Yes	Yes
OTP (over temperature protection)	Yes	Yes	Yes	Yes	Yes	Yes
OPP (over power protection)	Yes	Yes	Yes	Yes	Yes	Yes
CE	Yes	Yes	Yes	Yes	Yes	Yes
CB	Yes	Yes	Yes	Yes	Yes	Yes
TÜV	Yes	Yes	Yes	Yes	Yes	Yes
FCC	Yes	Yes	Yes	Yes	Yes	Yes
cUL	Yes	Yes	Yes	Yes	Yes	Yes
cTÜVs	No	No	No	No	No	No
CCC (China)	Yes	Yes	Yes	Yes	Yes	Yes
BSMI (Taiwan)	Yes	Yes	Yes	Yes	Yes	Yes
GOST-R (Russia)	Yes	Yes	Yes	Yes	Yes	Yes
KC Mark (Korea)	Yes	Yes	Yes	Yes	Yes	Yes
IRAM (Argentina)	Yes	Yes	Yes	Yes	Yes	Yes
RCM (C-Tick, A-Tick, RCM) (Aus/NZ)	Yes	Yes	Yes	Yes	Yes	Yes
Efficiency						
80 PLUS certification level	Bronze	Bronze	Bronze	Bronze	Bronze	Bronze
Efficiency (%) at 115V, 10% load**	80.26%	78.63%	78.14%	80.40%	78.76%	78.14%
Efficiency (%) at 115V, 20% load**	85.59%	84.58%	84.47%	85.53%	84.82%	82.75%
Efficiency (%) at 115V, 50% load**	87.76%	87.64%	86.36%	87.91%	87.78%	85.66%
Efficiency (%) at 115V, 100% load**	84.12%	84.59%	82.11%	83.88%	85.11%	82.69%
Efficiency (%) at 230V, 10% load***	81.58%	80.67%	78.67%			78.67%
Efficiency (%) at 230V, 20% load***	87.25%	87.48%	85.85%			85.85%
Efficiency (%) at 230V, 50% load***	89.72%	89.57%	87.71%			87.71%
Efficiency (%) at 230V, 100% load***	86.53%	87.35%	85.42%			85.42%
Power consumption in standby (W)	<0.45W	<0.45W	<0.45W	<0.45W	<0.45W	<0.45W
Energy Star	5.0	5.0	5.0	5.0	5.0	5.0
ErP Lot 6	2013	2013	2013	2013	2013	2013
WEEE	Yes	Yes	Yes	Yes	Yes	Yes
RoHS	Yes	Yes	Yes	Yes	Yes	Yes
DC Output cables						
Modular cable management	Semi modular	Semi modular	Semi modular	None (fixed cables)	None (fixed cables)	None (fixed cables)
Sleeved cables	Yes	Yes	Yes	Yes	Yes	Yes
Flat cables	Yes	Yes	Yes	No	No	No
No. of cables	12	12	10	12	12	10
Motherboard cable (20+4 pin)	1	1	1	1	1	1
Motherboard cable length (mm, +/- 10mm)	600mm	600mm	600mm	600mm	600mm	600mm
4+4-pin (CPU, works as either 4 or 8-pin)	2	2	1	2	2	1
CPU power cable length (mm, +/- 10mm)	650mm	650mm	650mm	650mm	650mm	650mm
PCIe 6+2 pin (GPU)	4	4	2	4	4	2
PCIe power cable length (mm, +/- 10mm)	600mm	600mm	600mm	600mm	600mm	600mm
4-pin Peripheral power connector ("Molex", HDD)	8	8	8	8	8	8
SATA 5-pin connector	8	8	8	8	8	8
Floppy power	2	2	2	2	2	2
Multi-GPU ready	Yes	Yes	Yes	Yes	Yes	Yes
Misc						
Dimensions without cable (L x W x D), (mm)	160mm x 150mm x 86mm	160mm x 150mm x 86mm	160mm x 150mm x 86mm	160mm x 150mm x 86mm	160mm x 150mm x 86mm	160mm x 150mm x 86mm
Color	Black	Black	Black	Black	Black	Black
Material	Steel	Steel	Steel	Steel	Steel	Steel
Logistical data						
Dimensions, package (L x W x D), (mm)	293 x 135 x 213	293 x 135 x 213	293 x 135 x 213	293 x 135 x 213	293 x 135 x 213	293 x 135 x 213
Gross weight, package (kg)	2.4	2.3	2.2	2.7	2.6	2.5
Pieces per packaging unit	6	6	6	6	6	6
Dimensions, shipping box (L x W x D), (mm)	425 x 310 x 445	425 x 310 x 445	425 x 310 x 445	425 x 310 x 445	425 x 310 x 445	425 x 310 x 445
Gross weight, shipping box (kg)	15.1	14.5	13.9	16.9	16.3	15.7

	GS GS800	GS700	GS600	CX-M CX750M	CX600M	CX500M
Top-Level Specs						
Continuous power (W)	800W	700W	600W	750W	600W	500W
Peak power (W)*	880W	770W	660W	825W	660W	550W
ATX12V Version	2.4	2.4	2.4	2.4	2.31	2.31
EPS12V Version	2.92	2.92	2.92	2.92	2.92	2.92
Modular cable management	None (fixed cables)	None (fixed cables)	None (fixed cables)	Semi modular	Semi modular	Semi modular
Special technology	N/A	N/A	N/A	N/A	N/A	N/A
C-Link Digital	No	No	No	No	No	No
C-Link Ready	No	No	No	No	No	No
MTBF (hours)	100,000.	100,000.	100,000.	100,000.	100,000.	100,000.
Operating temperature range (°C)	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C
Continuous output rated temperature (°C)	40°C	40°C	40°C	30°C	30°C	30°C
Warranty (Years)	3	3	3	3	3	3
AC Input specs						
Input Voltage (VAC)	100 - 240V	100 - 240V	100 - 240V	100 - 240V	100 - 240V	100 - 240V
Input Frequency (Hz)	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz	47 - 63Hz	47 - 63Hz	47 - 63Hz
Input current (A)	12A	10A	8A	6A - 12A	5 - 10A	5 - 10A
PFC	Yes	Yes	Yes	Yes	Yes	Yes
Power factor at 100% load	0.99	0.99	0.99	0.99	0.99	0.99
Intel C6/C7 sleep state compatible	Yes	Yes	Yes	Yes	No	No
Hold-up time (ms)	16.0	16.0	16.0	10.0	10.0	10.0
DC Output specs						
Ability to toggle single/multiple +12V rails	No	No	No	No	No	No
+12V (A)	66A	58A	49A	62A	46A	38A
+12V (W)	792W	696W	588W	744W	552W	456W
+3.3V (A)	25A	25A	25A	25A	25A	25A
+5V (A)	25A	25A	25A	25A	25A	20A
Max. combined power 3.3V + 5V (W)	150W	150W	150W	130W	130W	120W
+5Vsb (A)	3A	3A	3A	3A	3A	3A
-12V (A)	0.8A	0.8A	0.8A	0.8A	0.8A	0.8A
Cooling Solution						
Fanless mode	Yes	Yes	Yes	No	No	No
Load for fan to turn on (%)	0.2	0.2	0.2	N/A	N/A	N/A
Fan bearing technology	DBB	DBB	DBB	Sleeve	Sleeve	Sleeve
Fan size (mm)	140mm	140mm	140mm	120mm	120mm	120mm
Max. fan speed (rpm)	2,221	1,890	1,742	1,996	1,565	1,557
dB(A) at 20% load (6 dB(A) noise floor)	6.0	6.0	6.0	19.4	12.6	13.5
dB(A) at 50% load	25.4	23.5	17.5	19.4	14.1	15.1
dB(A) at 100% load	47.4	45.8	42.3	42.2	32.2	32.4
Protections & safety certifications						
OCP (over current protection)	Yes	Yes	Yes	Yes	Yes	Yes
OVP (over voltage protection)	Yes	Yes	Yes	Yes	Yes	Yes
UVP (under voltage protection)	Yes	Yes	Yes	Yes	Yes	Yes
SCP (short circuit protection)	Yes	Yes	Yes	Yes	Yes	Yes
OTP (over temperature protection)	Yes	Yes	Yes	Yes	Yes	Yes
OPP (over power protection)	Yes	Yes	Yes	Yes	Yes	Yes
CE	Yes	Yes	Yes	Yes	Yes	Yes
CB	Yes	Yes	Yes	Yes	Yes	Yes
TÜV	Yes	Yes	Yes	Yes	Yes	Yes
FCC	Yes	Yes	Yes	Yes	Yes	Yes
cUL	Yes	Yes	Yes	Yes	No	No
cTÜVs	No	No	No	No	Yes	Yes
CCC (China)	Yes	Yes	Yes	Yes	Yes	Yes
BSMI (Taiwan)	Yes	Yes	Yes	Yes	Yes	Yes
GOST-R (Russia)	Yes	Yes	Yes	Yes	Yes	Yes
KC Mark (Korea)	Yes	Yes	Yes	Yes	Yes	Yes
IRAM (Argentina)	Yes	Yes	Yes	Yes	No	No
RCM (C-Tick, A-Tick, RCM) (Aus/NZ)	Yes	Yes	Yes	Yes	Yes	Yes
Efficiency						
80 PLUS certification level	Bronze	Bronze	Bronze	Bronze	Bronze	Bronze
Efficiency (%) at 115V, 10% load**	82.66%	78.58%	77.30%	77.71%	79.40%	77.44%
Efficiency (%) at 115V, 20% load**	85.53%	83.62%	82.72%	83.25%	83.56%	83.12%
Efficiency (%) at 115V, 50% load**	87.30%	86.52%	85.86%	86.59%	85.44%	85.48%
Efficiency (%) at 115V, 100% load**	82.45%	83.23%	82.89%	84.21%	82.56%	82.66%
Efficiency (%) at 230V, 10% load***	82.00%	78.86%	77.68%	79.12%	79.74%	77.95%
Efficiency (%) at 230V, 20% load***	85.82%	84.70%	83.72%	85.08%	84.69%	83.62%
Efficiency (%) at 230V, 50% load***	88.05%	87.56%	86.83%	88.49%	86.84%	86.45%
Efficiency (%) at 230V, 100% load***	85.65%	85.94%	85.16%	86.94%	84.93%	84.98%
Power consumption in standby (W)	<0.45W	<0.45W	<0.45W	<0.45W	<0.45W	<0.45W
Energy Star	5.0	5.0	5.0	5.0	5.0	5.0
ErP Lot 6	2013	2013	2013	2013	2013	2013
WEEE	Yes	Yes	Yes	Yes	Yes	Yes
RoHS	Yes	Yes	Yes	Yes	Yes	Yes
DC Output cables						
Modular cable management	None (fixed cables)	None (fixed cables)	None (fixed cables)	Semi modular	Semi modular	Semi modular
Sleeved cables	Yes	Yes	Yes	Yes	Yes	Yes
Flat cables	No	No	No	Yes	Yes	Yes
No. of cables	10	8	8	10	7	7
Motherboard cable (20+4 pin)	1	1	1	1	1	1
Motherboard cable length (mm, +/- 10mm)	600mm	600mm	600mm	600mm	600mm	600mm
4+4-pin (CPU, works as either 4 or 8-pin)	1	1	1	1	1	1
CPU power cable length (mm, +/- 10mm)	650mm	650mm	650mm	650mm	650mm	650mm
PCIe 6+2 pin (GPU)	4	2	2	4	2	2
PCIe power cable length (mm, +/- 10mm)	600mm	600mm	600mm	600mm	600mm	600mm
4-pin Peripheral power connector ("Molex", HDD)	8	6	6	6	4	4
SATA 5-pin connector	8	8	8	8	6	5
Floppy power	1	1	1	1	1	1
Multi-GPU ready	Yes	Yes	Yes	Yes	Yes	Yes
Misc						
Dimensions without cable (L x W x D), (mm)	160mm x 150mm x 86mm	160mm x 150mm x 86mm	160mm x 150mm x 86mm	160mm x 150mm x 86mm	140mm x 150mm x 86mm	140mm x 150mm x 86mm
Color	Black	Black	Black	Black	Black	Black
Material	Steel	Steel	Steel	Steel	Steel	Steel
Logistical data						
Dimensions, package (L x W x D), (mm)	293 x 135 x 213	293 x 135 x 213	293 x 135 x 213	293 x 135 x 213	268 x 98 x 190	268 x 98 x 190
Gross weight, package (kg)	2.4	2.4	2.4	2.2	2.2	2.2
Pieces per packaging unit	6	6	6	6	6	6
Dimensions, shipping box (L x W x D), (mm)	425 x 310 x 445	425 x 310 x 445	425 x 310 x 445	425 x 310 x 445	410 x 322 x 295	410 x 322 x 295
Gross weight, shipping box (kg)	15.1	15.1	15.1	13.9	13.9	13.9

	CX430M	CX CX750	CX600	CX500	CX430	VS VS650
Top-Level Specs						
Continuous power (W)	430W	750W	600W	600W	430W	650W
Peak power (W)*	473W	825W	660W	660W	473W	715W
ATX12V Version	2.31	2.4	2.31	2.31	2.31	2.31
EPS12V Version	2.92	2.92	2.92	2.92	2.92	2.92
Modular cable management	Semi modular	None (fixed cables)	None (fixed cables)	None (fixed cables)	None (fixed cables)	None (fixed cables)
Special technology	N/A	N/A	N/A	N/A	N/A	N/A
C-Link Digital	No	No	No	No	No	No
C-Link Ready	No	No	No	No	No	No
MTBF (hours)	100,000.	100,000.	100,000.	100,000.	100,000.	100,000.
Operating temperature range (°C)	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C	0° to 50° C
Continuous output rated temperature (°C)	30°C	30°C	30°C	30°C	30°C	40°C
Warranty (Years)	3	3	3	3	3	3
AC Input specs						
Input Voltage (VAC)	100 - 240V	100 - 240V	100 - 240V	100 - 240V	100 - 240V	200 - 240V
Input Frequency (Hz)	47 - 63Hz	47 - 63Hz	47 - 63Hz	47 - 63Hz	47 - 63Hz	47 - 63Hz
Input current (A)	3.15 - 6.3A	6A - 12A	5A - 10A	5A - 10A	3.15A - 6.3A	5A
PFC	Yes	Yes	Yes	Yes	Yes	Yes
Power factor at 100% load	0.99	0.99	0.99	0.99	0.99	0.99
Intel C6/C7 sleep state compatible	No	Yes	No	No	No	No
Hold-up time (ms)	10.0	10.0	10.0	10.0	10.0	10.0
DC Output specs						
Ability to toggle single/multiple +12V rails	No	No	No	No	No	No
+12V (A)	32A	62A	46A	46A	32A	50A
+12V (W)	384W	744W	552W	552W	384W	600W
+3.3V (A)	20A	25A	25A	25A	20A	20A
+5V (A)	20A	25A	25A	25A	20A	20A
Max. combined power 3.3V + 5V (W)	110W	130W	130W	130W	110W	120W
+5Vsb (A)	3A	3A	3A	3A	3A	2.5A
-12V (A)	0.8A	0.8A	0.8A	0.8A	0.8A	0.3A
Cooling Solution						
Fanless mode	No	No	No	No	No	No
Load for fan to turn on (%)	N/A	N/A	N/A	N/A	N/A	N/A
Fan bearing technology	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve	Sleeve
Fan size (mm)	120mm	120mm	120mm	120mm	120mm	120mm
Max. fan speed (rpm)	1,540	1,980	1,665	1,665	1,560	1,665
dB(A) at 20% load (6 dB(A) noise floor)	14.6	20.4	11.9	11.9	10.7	15.0
dB(A) at 50% load	14.8	20.7	17.0	17.0	11.3	17.4
dB(A) at 100% load	31.0	39.9	34.0	34.0	30.5	37.6
Protections & safety certifications						
OCP (over current protection)	Yes	Yes	Yes	Yes	Yes	Yes
OVP (over voltage protection)	Yes	Yes	Yes	Yes	Yes	Yes
UVP (under voltage protection)	Yes	Yes	Yes	Yes	Yes	Yes
SCP (short circuit protection)	Yes	Yes	Yes	Yes	Yes	Yes
OTP (over temperature protection)	Yes	Yes	Yes	Yes	Yes	Yes
OPP (over power protection)	Yes	Yes	Yes	Yes	Yes	Yes
CE	Yes	Yes	Yes	Yes	Yes	Yes
CB	Yes	Yes	Yes	Yes	Yes	Yes
TÜV	Yes	Yes	Yes	Yes	Yes	Yes
FCC	Yes	Yes	Yes	Yes	Yes	No
cUL	No	Yes	No	No	No	No
cTÜVs	Yes	No	Yes	Yes	Yes	No
CCC (China)	Yes	Yes	Yes	Yes	Yes	Yes
BSMI (Taiwan)	Yes	Yes	Yes	Yes	Yes	No
GOST-R (Russia)	Yes	Yes	Yes	Yes	Yes	Yes
KC Mark (Korea)	Yes	Yes	Yes	Yes	Yes	Yes
IRAM (Argentina)	No	Yes	No	No	No	Yes
RCM (C-Tick, A-Tick, RCM) (Aus/NZ)	Yes	Yes	Yes	Yes	Yes	No
Efficiency						
80 PLUS certification level	Bronze	Bronze	Bronze	Bronze	Bronze	N/A
Efficiency (%) at 115V, 10% load**	78.35%	77.71%	79.40%	79.40%	78.35%	N/A
Efficiency (%) at 115V, 20% load**	82.78%	83.25%	83.56%	83.56%	82.78%	N/A
Efficiency (%) at 115V, 50% load**	85.54%	86.59%	85.44%	85.44%	85.54%	N/A
Efficiency (%) at 115V, 100% load**	82.83%	84.21%	82.56%	82.56%	82.83%	N/A
Efficiency (%) at 230V, 10% load***	78.57%	79.12%	79.74%	79.74%	78.57%	81.48%
Efficiency (%) at 230V, 20% load***	83.71%	85.08%	84.69%	84.69%	83.71%	85.14%
Efficiency (%) at 230V, 50% load***	86.96%	88.49%	86.84%	86.84%	86.96%	86.09%
Efficiency (%) at 230V, 100% load***	85.34%	86.94%	84.93%	84.93%	85.34%	82.94%
Power consumption in standby (W)	<0.45W	<0.45W	<0.45W	<0.45W	<0.45W	<0.45W
Energy Star	5.0	5.0	5.0	5.0	5.0	N/A
ErP Lot 6	2013	2013	2013	2013	2013	2013
WEEE	Yes	Yes	Yes	Yes	Yes	Yes
RoHS	Yes	Yes	Yes	Yes	Yes	Yes
DC Output cables						
Modular cable management	Semi modular	None (fixed cables)	None (fixed cables)	None (fixed cables)	None (fixed cables)	None (fixed cables)
Sleeved cables	Yes	Yes	Yes	Yes	Yes	Yes
Flat cables	Yes	Yes	No	No	No	No
No. of cables	6	No	7	7	6	6
Motherboard cable (20+4 pin)	1	1	1	1	1	1
Motherboard cable length (mm, +/- 10mm)	600mm	600mm	600mm	600mm	600mm	550mm
4+4-pin (CPU, works as either 4 or 8-pin)	1	1	1	1	1	1
CPU power cable length (mm, +/- 10mm)	650mm	650mm	650mm	650mm	650mm	550mm
PCIe 6+2 pin (GPU)	1	2	2	2	1	2
PCIe power cable length (mm, +/- 10mm)	600mm	600mm	600mm	600mm	600mm	450mm
4-pin Peripheral power connector ("Molex", HDD)	3	6	4	4	3	4
SATA 5-pin connector	4	8	6	6	4	3
Floppy power	1	1	1	1	1	1
Multi-GPU ready	No	Yes	Yes	Yes	No	Yes
Misc						
Dimensions without cable (L x W x D), (mm)	140mm x 150mm x 86mm	160mm x 150mm x 86mm	140mm x 150mm x 86mm	140mm x 150mm x 86mm	140mm x 150mm x 86mm	140mm x 150mm x 86mm
Color	Black	Black	Black	Black	Black	Black
Material	Steel	Steel	Steel	Steel	Steel	Steel
Logistical data						
Dimensions, package (L x W x D), (mm)	268 x 98 x 190	293 x 135 x 213	268 x 98 x 190	268 x 98 x 190	268 x 98 x 190	268 x 98 x 190
Gross weight, package (kg)	2.2	2.3	2.16	2.16	2.16	2.15
Pieces per packaging unit	6	6	6	6	6	6
Dimensions, shipping box (L x W x D), (mm)	410 x 322 x 295	425 x 310 x 445	410 x 322 x 295	410 x 322 x 295	410 x 322 x 295	410 x 322 x 295
Gross weight, shipping box (kg)	13.9	14.5	13.66	13.66	13.66	13.6

	VS550	VS450	VS350
Top-Level Specs			
Continuous power (W)	550W	450W	350W
Peak power (W)*	605W	495W	385W
ATX12V Version	2.31	2.31	2.31
EPS12V Version	2.92	2.92	2.92
Modular cable management	None (fixed cables)	None (fixed cables)	None (fixed cables)
Special technology	N/A	N/A	N/A
C-Link Digital	No	No	No
C-Link Ready	No	No	No
MTBF (hours)	100,000.	100,000.	100,000.
Operating temperature range (°C)	0° to 50° C	0° to 50° C	0° to 50° C
Continuous output rated temperature (°C)	40°C	40°C	40°C
Warranty (Years)	3	3	3
AC Input specs			
Input Voltage (VAC)	200 - 240V	200 - 240V	200 - 240V
Input Frequency (Hz)	47 - 63Hz	47 - 63Hz	47 - 63Hz
Input current (A)	5A	5A	5A
PFC	Yes	Yes	Yes
Power factor at 100% load	0.99	0.99	0.99
Intel C6/C7 sleep state compatible	No	No	No
Hold-up time (ms)	10.0	10.0	10.0
DC Output specs			
Ability to toggle single/multiple +12V rails	No	No	No
+12V (A)	42A	34A	25A
+12V (W)	504W	408W	300W
+3.3V (A)	18A	16A	14A
+5V (A)	18A	16A	14A
Max. combined power 3.3V + 5V (W)	110W	100W	90W
+5Vsb (A)	2.5A	2.5A	2.5A
-12V (A)	0.3A	0.3A	0.3A
Cooling Solution			
Fanless mode	No	No	No
Load for fan to turn on (%)	N/A	N/A	N/A
Fan bearing technology	Sleeve	Sleeve	Sleeve
Fan size (mm)	120mm	120mm	120mm
Max. fan speed (rpm)	1,771	1,985	1,540
dB(A) at 20% load (6 dB(A) noise floor)	21.3	20.1	18.5
dB(A) at 50% load	21.7	20.4	18.4
dB(A) at 100% load	37.2	36.1	30.9
Protections & safety certifications			
OCP (over current protection)	Yes	Yes	Yes
OVP (over voltage protection)	Yes	Yes	Yes
UVP (under voltage protection)	Yes	Yes	Yes
SCP (short circuit protection)	Yes	Yes	Yes
OTP (over temperature protection)	Yes	Yes	Yes
OPP (over power protection)	Yes	Yes	Yes
CE	Yes	Yes	Yes
CB	Yes	Yes	Yes
TÜV	Yes	Yes	Yes
FCC	No	No	No
cUL	No	No	No
cTÜVs	No	No	No
CCC (China)	Yes	Yes	Yes
BSMI (Taiwan)	No	No	No
GOST-R (Russia)	Yes	Yes	Yes
KC Mark (Korea)	Yes	Yes	Yes
IRAM (Argentina)	Yes	Yes	Yes
RCM (C-Tick, A-Tick, RCM) (Aus/NZ)	No	No	No
Efficiency			
80 PLUS certification level	N/A	N/A	N/A
Efficiency (%) at 115V, 10% load**	N/A	N/A	N/A
Efficiency (%) at 115V, 20% load**	N/A	N/A	N/A
Efficiency (%) at 115V, 50% load**	N/A	N/A	N/A
Efficiency (%) at 115V, 100% load**	N/A	N/A	N/A
Efficiency (%) at 230V, 10% load***	79.46%	76.84%	78.68%
Efficiency (%) at 230V, 20% load***	84.60%	83.31%	84.06%
Efficiency (%) at 230V, 50% load***	85.82%	85.45%	85.42%
Efficiency (%) at 230V, 100% load***	82.66%	82.83%	82.70%
Power consumption in standby (W)	<0.45W	<0.45W	<0.45W
Energy Star	N/A	N/A	N/A
ErP Lot 6	2013	2013	2013
WEEE	Yes	Yes	Yes
RoHS	Yes	Yes	Yes
DC Output cables			
Modular cable management	None (fixed cables)	None (fixed cables)	None (fixed cables)
Sleeved cables	Yes	Yes	Yes
Flat cables	No	No	No
No. of cables	6	6	6
Motherboard cable (20+4 pin)	1	1	1
Motherboard cable length (mm, +/- 10mm)	550mm	550mm	550mm
4+4-pin (CPU, works as either 4 or 8-pin)	1	1	1
CPU power cable length (mm, +/- 10mm)	550mm	550mm	550mm
PCIe 6+2 pin (GPU)	2	2	1
PCIe power cable length (mm, +/- 10mm)	450mm	450mm	450mm
4-pin Peripheral power connector ("Molex", HDD)	4	4	3
SATA 5-pin connector	3	3	2
Floppy power	1	1	1
Multi-GPU ready	Yes	Yes	No
Misc			
Dimensions without cable (L x W x D), (mm)	140mm x 150mm x 86mm	140mm x 150mm x 86mm	140mm x 150mm x 86mm
Color	Black	Black	Black
Material	Steel	Steel	Steel
Logistical data			
Dimensions, package (L x W x D), (mm)	268 x 98 x 190	268 x 98 x 190	268 x 98 x 190
Gross weight, package (kg)	2.15	2.15	2.15
Pieces per packaging unit	6	6	6
Dimensions, shipping box (L x W x D), (mm)	410 x 322 x 295	410 x 322 x 295	410 x 322 x 295
Gross weight, shipping box (kg)	13.6	13.6	13.6