



Блоки питания компактные серии EPS

Технические характеристики



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Features

- Universal AC input / Full range
- No load power consumption <0.1W(<0.3W for 15~35W)
- High efficiency up to 91%
- Compact size, 1U low profile
- Cooling by free air convection
- Protections: Short circuit / Overload / Over voltage
- Class I or Class II installations
- LED indicator for power on (EPS-25/35/45S/65S)
- 3 years warranty



Model No.		EPS-15	EPS-25	EPS-35	EPS-45S	EPS-65S
AC input voltage range		85~264VAC; 120~370VDC			80~264VAC	
AC inrush current (max.)		Cold start, 45A at 230VAC	Cold start, 35A at 230VAC	Cold start, 40A at 230VAC	Cold start, 60A at 230VAC	
DC adjustment range		±10% rated output voltage			-5~+10% rated output voltage	
Overload protection	Range	115%~150% rated output power	115%~170% rated output power		115%~150% rated output power	
	Type	Hiccup mode, auto-recovery				
Over voltage protection		110%~135% shut down o/p voltage, re-power on to recover				
Withstand voltage		I/P-O/P: 3kVAC, I/P-FG:2kVAC, O/P-FG: 0.5kVAC				
Working temperature		-30~+70°C (refer to output derating curve)				
Safety standards		UL60950-1, TUV EN60950-1 approved				
EMC standards		EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11				
Connection		JST B3P/B2P-VH			JST B3P/B4P-VH	
Dimension (LxWxH)(mm)		63.5x45.7x24	76.2x50.8x24			

15W—Class I EPS-15

Model No.	Output(Rated / Peak 10 sec.)	Tol.	R&N	Effi.
EPS-15-3.3	3.3V, 0~3A / 3.3A	±2%	50mV	75%
EPS-15-5	5V, 0~3A / 3.3A	±2%	50mV	78%
EPS-15-7.5	7.5V, 0~2A / 2.2A	±2%	80mV	81%
EPS-15-12	12V, 0~1.25A / 1.38A	±1%	80mV	82%
EPS-15-15	15V, 0~1A / 1.1A	±1%	100mV	83%
EPS-15-24	24V, 0~0.625A / 0.69A	±1%	150mV	83%
EPS-15-27	27V, 0~0.56A / 0.615A	±1%	180mV	84%
EPS-15-36	36V, 0~0.42A / 0.46A	±1%	200mV	85%
EPS-15-48	48V, 0~0.313A / 0.344A	±1%	200mV	85%

25W—Class I EPS-25

Model No.	Output(Rated / Peak 10 sec.)	Tol.	R&N	Effi.
EPS-25-3.3	3.3V, 0~5A / 5.5A	±2%	60mV	79%
EPS-25-5	5V, 0~5A / 5.5A	±2%	60mV	81%
EPS-25-7.5	7.5V, 0~3.4A / 3.74A	±2%	80mV	83%
EPS-25-12	12V, 0~2.1A / 2.34A	±1%	100mV	86%
EPS-25-15	15V, 0~1.7A / 1.87A	±1%	100mV	87%
EPS-25-24	24V, 0~1.05A / 1.17A	±1%	180mV	88%
EPS-25-27	27V, 0~0.95A / 1.05A	±1%	180mV	89%
EPS-25-36	36V, 0~0.7A / 0.78A	±1%	200mV	89%
EPS-25-48	48V, 0~0.53A / 0.59A	±1%	240mV	90%

35W—Class I EPS-35

Model No.	Output(Rated / Peak 10 sec.)	Tol.	R&N	Effi.
EPS-35-3.3	3.3V, 0~6A / 6.6A	±2.5%	60mV	80%
EPS-35-5	5V, 0~6A / 6.6A	±2.0%	70mV	82%
EPS-35-7.5	7.5V, 0~4.7A / 5.2A	±2.0%	80mV	84%

Model No.	Output(Rated / Peak 10 sec.)	Tol.	R&N	Effi.
EPS-35-12	12V, 0~3A / 3.3A	±1.0%	100mV	87%
EPS-35-15	15V, 0~2.4A / 2.65A	±1.0%	100mV	88%
EPS-35-24	24V, 0~1.5A / 1.65A	±1%	180mV	89%
EPS-35-27	27V, 0~1.3A / 1.45A	±1%	180mV	89%
EPS-35-36	36V, 0~1A / 1.1A	±1%	200mV	89%
EPS-35-48	48V, 0~0.75A / 0.82A	±1%	240mV	90%

45W—Class II NEW EPS-45S

Model No.	Output(Rated / Peak 10 sec.)	Tol.	R&N	Effi.
EPS-45S-3.3	3.3V, 0~8A / 8.8A	±2%	80mV	80%
EPS-45S-5	5V, 0~8A / 8.8A	±2%	80mV	83%
EPS-45S-7.5	7.5V, 0~5.4A / 5.95A	±2%	80mV	85%
EPS-45S-12	12V, 0~3.8A / 4.18A	±2%	120mV	88%
EPS-45S-15	15V, 0~3A / 3.3A	±2%	150mV	89%
EPS-45S-24	24V, 0~1.9A / 2.1A	±1%	240mV	90%
EPS-45S-48	48V, 0~0.94A / 1.03A	±1%	300mV	91%

65W—Class II NEW EPS-65S

Model No.	Output(Rated / Peak 10 sec.)	Tol.	R&N	Effi.
EPS-65S-3.3	3.3V, 0~10A / 11A	±2%	80mV	80%
EPS-65S-5	5V, 0~10A / 11A	±2%	80mV	84%
EPS-65S-7.5	7.5V, 0~8A / 8.8A	±2%	80mV	85%
EPS-65S-12	12V, 0~5.42A / 5.96A	±2%	120mV	88%
EPS-65S-15	15V, 0~4.34A / 4.77A	±2%	150mV	89%
EPS-65S-24	24V, 0~2.71A / 2.98A	±1%	240mV	90%
EPS-65S-48	48V, 0~1.36A / 1.49A	±1%	300mV	91%



Features

- Compact size, 1U low profile
- Universal AC input / Full range
- Built-in active PFC function (ELP-75)
- Class I or Class II installations
- **No load power consumption < 0.3W (<0.5W for ELP-75)**
- High efficiency up to 91%
- Protections: Short circuit / Overload / Over voltage / Over temp.(EPS-120)
- Cooling by free air convection
- Built-in 12V/0.5A auxiliary output (EPS-120)
- LED indicator for power on
- 3 years warranty



Model No.		EPS-45-x ☐	EPS-65-x ☐	EPS-120	ELP-75-x ☐
Rated Power	Fan	NA	NA	120W (10CFM)	NA
	Convection	45W	65W	84W	75W
AC input voltage range		90~264VAC		80~264VAC	90~264VAC
DC adjustment range		±10% rated output voltage		±5%	±10%
Overload protection	Range	115%~150% rated output power			105%~150% rated output power
	Type	Hiccup mode, auto-recovery			
Over voltage protection		110%~130% shut down o/p voltage, re-power on to recover			
Withstand voltage		I/P-O/P: 3kVAC, I/P-FG:2kVAC, O/P-FG: 0.5kVAC, 1 minute			I/P-O/P: 3kVAC, I/P-FG:1.5kVAC, O/P-FG: 0.5kVAC
Working temperature		-30~+70°C (refer to output derating curve)			
Safety standards		UL60950-1, TUV EN60950-1 approved			
EMC standards		EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11			
Connection		3+4P/3.96mm pitch, JST B3P/B4P-VH			3+4P/3.96mm pitch, JST B3P/B6P-VH
Dimension (LxWxH)(mm)		PCB: 101.6x50.8x29 ; Case: 103.4x62x37		101.6x 50.8x 29	PCB: 175x 60x 27 ; Case: 195x 68.5x 33

45W—Class I EPS-45

Model No.	Output(Rated / Peak 10 sec.)	Tol.	R&N	Effi.
EPS-45-3.3 ☐	3.3V, 8A / 9A	±3%	80mV	80%
EPS-45-5 ☐	5V, 8A / 9A	±2%	80mV	82%
EPS-45-7.5 ☐	7.5V, 5.4A / 5.6A	±2%	100mV	84%
EPS-45-12 ☐	12V, 3.75A / 4.2A	±2%	120mV	87%
EPS-45-15 ☐	15V, 3A / 3.3A	±2%	150mV	88%
EPS-45-24 ☐	24V, 1.9A / 2.1A	±1%	240mV	89%
EPS-45-36 ☐	36V, 1.25A / 1.4A	±1%	280mV	89%
EPS-45-48 ☐	48V, 1A / 1.1A	±1%	300mV	90%

☐ = blank, -C ; blank: PCB type, -C: Enclosed type

120W—Class I or II NEW EPS-120

Model No.	Output(Convection/10CFM)	Tol.	R&N	Effi.
EPS-120-12	12V, 7A / 10A	±2%	120mV	88.0%
EPS-120-15	15V, 5.6A / 8A	±2%	120mV	88.5%
EPS-120-24	24V, 3.5A / 5A	±1%	150mV	90.0%
EPS-120-27	27V, 3.15A / 4.5A	±1%	150mV	90.0%
EPS-120-48	48V, 1.75A / 2.5A	±1%	200mV	91.0%

65W—Class I EPS-65

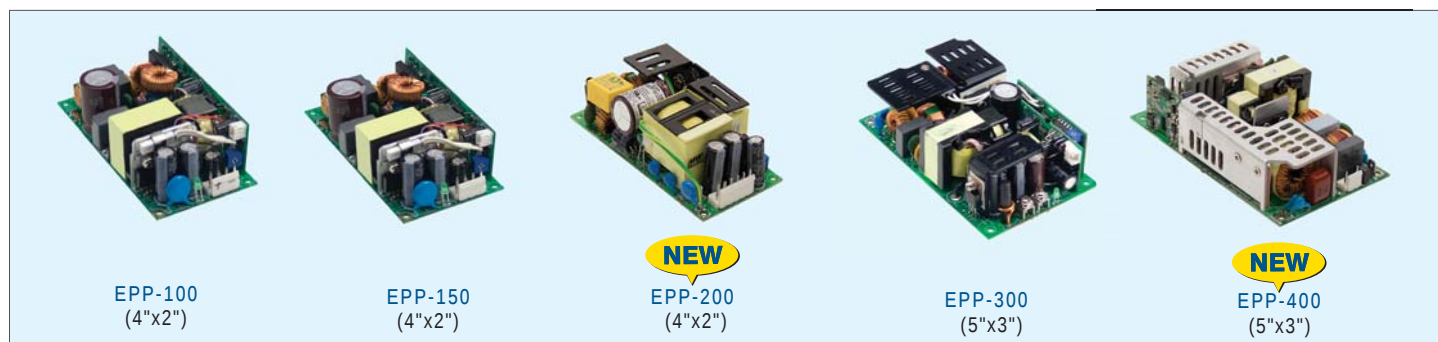
Model No.	Output(Rated / Peak 10 sec.)	Tol.	R&N	Effi.
EPS-65-3.3 ☐	3.3V, 11A / 12A	±3%	80mV	80%
EPS-65-5 ☐	5V, 11A / 12A	±2%	80mV	82%
EPS-65-7.5 ☐	7.5V, 8A / 8.8A	±2%	100mV	84%
EPS-65-12 ☐	12V, 5.42A / 6A	±2%	120mV	86%
EPS-65-15 ☐	15V, 4.34A / 4.8A	±2%	150mV	87%
EPS-65-24 ☐	24V, 2.71A / 3A	±1%	240mV	88%
EPS-65-36 ☐	36V, 1.81A / 2A	±1%	280mV	89%
EPS-65-48 ☐	48V, 1.36A / 1.5A	±1%	300mV	90%

☐ = blank, -C ; blank: PCB type, -C: Enclosed type

75W—Class I ELP-75

Model No.	Output	Tol.	R&N	Effi.
ELP-75-3.3 ☐	3.3V, 15A	±3%	80mV	80%
ELP-75-5 ☐	5V, 15A	±2%	80mV	82%
ELP-75-12 ☐	12V, 6.25A	±2%	120mV	89%
ELP-75-15 ☐	15V, 5A	±2%	150mV	90%
ELP-75-24 ☐	24V, 3.15A	±1%	240mV	90%
ELP-75-36 ☐	36V, 2.1A	±1%	280mV	90%
ELP-75-48 ☐	48V, 1.6A	±1%	300mV	90%

☐ = blank, -C ; blank: PCB type, -C: Enclosed type



Features

- Universal AC input / Full range
- Built-in active PFC function
- Class I or Class II installations
- No load power consumption <0.5W
- High efficiency up to 94%
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Built-in 12V/0.5A auxiliary output (12V/0.3A for EPP-100/150)
- Standby 5V@1A with fan, @ 0.6A without fan (EPP-300/400)
- Built-in remote sense function (EPP-300/400)
- LED indicator for power on
- 3 years warranty



Model No.		EPP-100	EPP-150	EPP-200	EPP-300	EPP-400
Rated Power	Fan	100W (20CFM)	150W (20CFM)	200W (10CFM)	300W (20.5CFM)	400W (25CFM)
	Convection	75W	100W	140W	200W	250W
AC input voltage range		90~264VAC		80~264VAC	90~264VAC	80~264VAC
DC adjustment range		-2%~+5% rated output voltage		±5% rated output voltage		
Overload protection	Range	105%~145%		115%~150%	105%~135%	115%~135%
	Type	Hiccup mode, auto-recovery				
Over voltage protection	Range	115%~135% rated output voltage		110%~130%	115%~135%	110%~130%
	Type	Shut down o/p voltage, re-power on to recover				
Withstand voltage		I/P-O/P: 3kVAC, I/P-FG:2kVAC, O/P-FG: 0.5kVAC				I/P-O/P: 3kVAC, I/P-FG:2kVAC, O/P-FG: 1.5kVAC
Working temperature		-30~+70°C (refer to output derating curve)				
Safety standards		UL60950-1, TUV EN60950-1 approved				
EMC standards		EN55011 (EPP-300) / EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11				
Connection		JST B3P / B4P-VH		JST B3P / B6P-VH	JST B5P-VH / Screw terminal	
Dimension (LxWxH)(mm)		101.6x 50.8x 29			127x 76.2x 35	

100W—Class I EPP-100

Model No.	Output(Convection/20CFM)	Tol.	R&N	Effi.
EPP-100-12	12V, 6.3A / 8.5A	±2%	120mV	91.0%
EPP-100-15	15V, 5A / 6.67A	±2%	150mV	91.0%
EPP-100-24	24V, 3.2A / 4.2A	±1%	240mV	92.0%
EPP-100-27	27V, 2.8A / 3.71A	±1%	240mV	92.5%
EPP-100-48	48V, 1.6A / 2.1A	±1%	300mV	92.5%

150W—Class I EPP-150

Model No.	Output(Convection/20CFM)	Tol.	R&N	Effi.
EPP-150-12	12V, 8.4A / 12.5A	±2%	130mV	91.5%
EPP-150-15	15V, 6.7A / 10.0A	±2%	150mV	92.0%
EPP-150-24	24V, 4.2A / 6.25A	±1%	240mV	93.0%
EPP-150-27	27V, 3.71A / 5.56A	±1%	240mV	92.0%
EPP-150-48	48V, 2.1A / 3.125A	±1%	300mV	92.0%

200W—Class I or II NEW EPP-200

Model No.	Output(Convection/10CFM)	Tol.	R&N	Effi.
EPP-200-12	12V, 11.7A / 16.7A	±2%	100mV	92%
EPP-200-15	15V, 9.4A / 13.4A	±2%	100mV	92%
EPP-200-24	24V, 5.9A / 8.4A	±1%	150mV	93%
EPP-200-27	27V, 5.3A / 7.5A	±1%	150mV	93%
EPP-200-48	48V, 3A / 4.2A	±1%	200mV	94%

300W—Class I EPP-300

Model No.	Output(Convection/20.5CFM)	Tol.	R&N	Effi.
EPP-300-12	12V, 16.67A / 25.0A	±3%	120mV	90.0%
EPP-300-15	15V, 13.33A / 20.0A	±3%	120mV	90.0%
EPP-300-24	4V, 8.33A / 12.5A	±2%	150mV	92.5%
EPP-300-27	27V, 7.4A / 11.12A	±2%	200mV	93.0%
EPP-300-48	48V, 4.17A / 6.25A	±2%	250mV	93.0%

400W—Class I NEW EPP-400

Model No.	Output(Convection/25CFM)	Tol.	R&N	Effi.
EPP-400-12	12V, 20.8A / 33.3A	±3%	120mV	92%
EPP-400-15	15V, 16.7A / 26.7A	±3%	150mV	92%
EPP-400-24	24V, 10.5A / 16.7A	±2%	200mV	93%
EPP-400-27	27V, 9.3A / 14.9A	±1%	200mV	93%
EPP-400-36	36V, 7A / 11.2A	±1%	250mV	93%
EPP-400-48	48V, 5.3A / 8.4A	±1%	250mV	94%

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