



DPS

- DPS Series
- DIN rail installation type
- Automation selection of input voltage due to function of automatic input selection
- Overcurrent, Overvoltage, Loaded with Overprotection function
- Low Output Voltage Regulation
- Various products from 15W to 240W
- The realization of low heat due to high efficiency
- Equipped with output voltage ON pilot lamp
- Equipped with DC OK sign relay output

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· Suffix code

Model	Code			Description
DPS-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	DPS Power supply (DIN Rail Type)
Power output	15			15 W
	30			30 W
	50			50 W
	75			75 W
	100			100 W
	120			120W
	180			180 W
	240			240 W (※ Only DPS-240S-12 : 216 W)
Number of output voltage	S			1 Output (Single output)
Output voltage classification	48			48 V DC (DPS-15S, DPS-30S, DPS-50S Exclude)
	24			24 V DC
	15			15 V DC (DPS-75S, DPS-100S, DPS-120S, DPS-180S, DPS-240S Exclude)
	12			12 V DC (DPS-180S Exclude)
	5			5 V DC (DPS-75S, DPS-100S, DPS-120S, DPS-180S, DPS-240S Exclude)

· Specification

[15 Watt, 30 Watt, 50 Watt, 75 Watt Specification]

[100 Watt, 120 Watt, 180 Watt, 240 Watt Specification]

[15 Watt (5 V, 12 V, 15 V, 24 V d.c.)]

Model		DPS-15S-05	DPS-15S-12	DPS-15S-15	DPS-15S-24	
Output	Rated output voltage	5 V	12 V	15 V	24 V	
	Rated output current	3 A	1.3 A	1 A	0.63 A	
	Rated power output	15 W				
	Peak current	3.6 A	1.44 A	1.2 A	0.75 A	
	Circuit voltage fluctuation rate	±0.5 %	±0.5 %	±0.5 %	±0.5 %	
	Load voltage fluctuation rate	±1 %	±1 %	±1 %	±1 %	
	Ripple	80 mV p-p max	120 mV p-p max	120 mV p-p max	150 mV p-p max	
	Ambient temperature fluctuation	±1 %	±1 %	±1 %	±1 %	
	Running time	200 ms max (110 V AC, I _o =100 %)				
	Remaining time	10 ms min (110 V AC, I _o =100 %)				
Input	Voltage fluctuation range	4.6 - 5.3 V	11.2 - 13.7 V	13.6 - 16.1 V	22.6 - 27.6 V	
	Voltage setting range	±1 % max (Rated output voltage)				
	Input voltage	100 - 240 V AC (※ Designed voltage range : 85 - 264 V AC)				
	Input frequency	50 - 60 Hz (47 - 63 Hz)				
	Current (A)	110 V AC	0.3	0.3	0.3	0.3
		220 V AC	0.16	0.16	0.16	0.16
	Efficiency	220 V AC	76 %	81 %	82 %	86 %
	Inrush current	110 V AC	20 A Typ. (Ta=25 °C, I _o =100 % at Cold start)			
		220 V AC	40 A Typ. (Ta=25 °C, I _o =100 % at Cold start)			
	Leakage current	110 V AC	0.35 nA max			
220 V AC		0.75 nA max				
Over current protection	Protective function performed within 110 ~ 200 % of the rated output current					
Over voltage protection	6.8 - 7.9 V	14.5 - 17.2 V	17.5 - 20.5 V	30 - 36 V		
Protection function	Overheating protection	Protection circuit is in operation when PWM controller's junction temperature is over 135~140°C.				
	Protection of output short	Auto Re-start				
ETC	DC OK Signal	Green LED (ON when output voltage is normal)				
	Dielectric strength	2,700 V AC for 1 min, Detection current = 10 nA, (Input - Output)				
		1,500 V AC for 1 min, Detection current = 10 nA, (Input . FG)				
		500 V AC for 1 min, Detection current = 10 nA, (Output - FG)				
Environment	Insulation resistance	50 MΩ min. (Input - Output, FG), (Output - FG, DC OK)				
	Ambient temperature	- 25 ~ +50 °C (Refer to the derating curve of output load)				
	Ambient humidity	20 ~ 90 % RH (With no condensation)				
	Storage temperature	- 40 ~ +85 °C (With no condensation)				
	Vibration resistance	10 - 55 Hz, peak amplitude 0.375 mm, 2 hours for each of 3 directions (DIN Rail is installed without applying voltage)				
Shock resistance	150 m/s ² , 3 times for each of 6 directions . (State of packing)					
Weight		150 g	144 g	144 g	140 g	



[30 Watt (5 V, 12 V, 15 V, 24 V d.c.)]

Model		DPS-30S-05	DPS-30S-12	DPS-30S-15	DPS-30S-24	
Output	Rated output voltage	5 V	12 V	15 V	24 V	
	Rated output current	6 A	2.5 A	2 A	1.25 A	
	Rated power output	30 W				
	Peak current	7.2 A	3.0 A	2.4 A	1.5 A	
	Circuit voltage fluctuation rate	±0.5 %	±0.5 %	±0.5 %	±0.5 %	
	Load voltage fluctuation rate	±1 %	±1 %	±1 %	±1 %	
	Ripple	80 mV p-p max	120 mV p-p max	120 mV p-p max	150 mV p-p max	
	Ambient temperature fluctuation	±1 %	±1 %	±1 %	±1 %	
	Running time	200 ms max (110 V AC, I _o =100 %)				
	Remaining time	10 ms min (110 V AC, I _o =100 %)				
Input	Voltage fluctuation range	4.6 - 5.3 V	11.2 - 13.7 V	13.6 - 16.1 V	22.6 - 27.6 V	
	Voltage setting range	±1 % max (Rated output voltage)				
	Input voltage	100 - 240 V AC (※ Designed voltage range : 85 - 264 V AC)				
	Input frequency	50 - 60 Hz (47 - 63 Hz)				
	Current (A)	110 V AC	0.53	0.53	0.53	0.53
		220 V AC	0.3	0.3	0.3	0.3
	Efficiency	220 V AC	82 %	85 %	86 %	86 %
		110 V AC	20 A Typ. (Ta=25 °C, I _o =100 % at Cold start)			
	Inrush current	220 V AC	40 A Typ. (Ta=25 °C, I _o =100 % at Cold start)			
		110 V AC	0.35 nA max			
Leakage current	220 V AC	0.75 nA max				
	Over current protection	Protective function performed within 110 ~ 200 % of the rated output current				
Protection function	Over voltage protection	6.8 - 7.9 V	14.5 - 17.2 V	17.5 - 20.5 V	30 - 36 V	
	Overheating protection	Protection circuit is in operation when PWM controller's junction temperature is over 135~140°C.				
	Protection of output short	Auto Re-start				
	DC OK Signal	Green LED (ON when output voltage is normal)				
ETC	Dielectric strength	2,700 V AC for 1 min, Detection current = 10 nA, (Input - Output)				
		1,500 V AC for 1 min, Detection current = 10 nA, (Input . FG)				
		500 V AC for 1 min, Detection current = 10 nA, (Output - FG)				
		500 V AC for 1 min, Detection current = 10 nA, (Output . DC OK)				
Environment	Insulation resistance	50 MΩ min. (Input - Output, FG), (Output - FG, DC OK)				
	Ambient temperature	- 25 ~ +50 °C (Refer to the derating curve of output load)				
	Ambient humidity	20 ~ 90 % RH (With no condensation)				
	Storage temperature	- 40 ~ +85 °C (With no condensation)				
Environment	Vibration resistance	10 - 55 Hz, peak amplitude 0.375 mm, 2 hours for each of 3 directions (DIN Rail is installed without applying voltage)				
	Shock resistance	150 m/s ² , 3 times for each of 6 directions . (State of packing)				
	Weight	262 g	242 g	242 g	244 g	



[50 Watt (5 V, 12 V, 15 V, 24 V d.c.)]

Model		DPS-50S-05	DPS-50S-12	DPS-50S-15	DPS-50S-24	
Output	Rated output voltage	5 V	12 V	15 V	24 V	
	Rated output current	10 A	4.2 A	3.4 A	2.1 A	
	Rated power output	50 W				
	Peak current	12 A	5.04 A	4.08 A	2.52 A	
	Circuit voltage fluctuation rate	±0.5 %	±0.5 %	±0.5 %	±0.5 %	
	Load voltage fluctuation rate	±1 %	±1 %	±1 %	±1 %	
	Ripple	80 mV p-p max	120 mV p-p max	120 mV p-p max	150 mV p-p max	
	Ambient temperature fluctuation	±1 %	±1 %	±1 %	±1 %	
	Running time	200 ms max (110 V AC, I _o =100 %)				
	Remaining time	10 ms min (110 V AC, I _o =100 %)				
Input	Voltage fluctuation range	4.6 - 5.3 V	11.2 - 13.7 V	13.6 - 16.1 V	22.6 - 27.6 V	
	Voltage setting range	±1 % max (Rated output voltage)				
	Input voltage	100 - 240 V AC (※ Designed voltage range : 85 - 264 V AC)				
	Input frequency	50 - 60 Hz (47 - 63 Hz)				
	Current (A)	110 V AC	0.9	0.9	0.9	0.9
		220 V AC	0.5	0.5	0.5	0.5
	Efficiency	220 V AC	81 %	86 %	88 %	88 %
		110 V AC	20 A Typ. (Ta=25 °C, I _o =100 % at Cold start)			
	Inrush current	220 V AC	40 A Typ. (Ta=25 °C, I _o =100 % at Cold start)			
		110 V AC	0.35 nA max			
Leakage current	220 V AC	0.75 nA max				
	Over current protection	Protective function performed within 110 ~ 200 % of the rated output current				
Protection function	Over voltage protection	6.8 - 7.9 V	14.5 - 17.2 V	17.5 - 20.5 V	30 - 36 V	
	Overheating protection	Protection circuit is in operation when PWM controller's junction temperature is over 135~140°C.				
	Protection of output short	Auto Re-start				
	DC OK Signal	Green LED (ON when output voltage is normal)				
ETC	Dielectric strength	2,700 V AC for 1 min, Detection current = 10 nA, (Input - Output)				
		1,500 V AC for 1 min, Detection current = 10 nA, (Input . FG)				
		500 V AC for 1 min, Detection current = 10 nA, (Output - FG)				
		500 V AC for 1 min, Detection current = 10 nA, (Output . DC OK)				
Environment	Insulation resistance	50 MΩ min. (Input - Output, FG), (Output - FG, DC OK)				
	Ambient temperature	- 25 ~ +50 °C (Refer to the derating curve of output load)				
	Ambient humidity	20 ~ 90 % RH (With no condensation)				
	Storage temperature	- 40 ~ +85 °C (With no condensation)				
Environment	Vibration resistance	10 - 55 Hz, peak amplitude 0.375 mm, 2 hours for each of 3 directions (DIN Rail is installed without applying voltage)				
	Shock resistance	150 m/s, 3 times for each of 6 directions . (State of packing)				
	Weight	274 g	270 g	268 g	266 g	



[75 Watt (12 V, 24 V, 48 V d.c.)]

Model		DPS-75S-12	DPS-75S-24	DPS-75S-48
Output	Rated output voltage	12 V	24 V	48 V
	Rated output current	6.3 A	3.2 A	1.9 A
	Rated power output	75 W		
	Peak current	7.5 A	3.8 A	1.9 A
	Circuit voltage fluctuation rate	±0.5 %	±0.5 %	±0.5 %
	Load voltage fluctuation rate	±1 %	±1 %	±1 %
	Ripple	120 mV p-p max	150 mV p-p max	240 mV p-p max
	Ambient temperature fluctuation	±1 %	±1 %	±1 %
	Running time	200 ms max (110 V AC, I _o =100 %)		
	Remaining time	10 ms min (110 V AC, I _o =100 %)		
	Voltage fluctuation range	11.2 - 13.7 V	22.6 - 27.6 V	45.2 - 50.1 V
	Voltage setting range	±1 % max (Rated output voltage)		
	Input voltage	100 - 240 V AC (※Designed voltage range : 85 - 264 V AC)		
Input frequency	50 - 60 Hz (47 - 63 Hz)			
Input	Current (A)	110 V AC 0.71	110 V AC 0.71	110 V AC 0.71
	Efficiency	220 V AC 85 %	220 V AC 86 %	220 V AC 90 %
	Inrush current	20 A Typ. (Ta=25 °C, I _o =100 % at Cold start)		
		40 A Typ. (Ta=25 °C, I _o =100 % at Cold start)		
	Leakage current	110 V AC 220 V AC	0.35 nA max 0.75 nA max	
Protection function	Over current protection	Protective function performed within 110 ~ 200 % of the rated output current		
	Over voltage protection	14 - 18 V	30 - 34 V	59 - 63 V
	Overheating protection	Protection circuit is in operation when PWM controller's junction temperature is over 135~140°C		
	Protection of output short	Auto Re-start		
	DC OK Signal	Green LED (ON when output voltage is normal)		
DC OK Output	Relay output (ON when rated output is over 85%), 250 V AC 1 A max, 30 V DC 1 A max)			
ETC	Dielectric strength	2,700 V AC for 1 min, Detection current = 10 nA, (Input - Output) 1,500 V AC for 1 min, Detection current = 10 nA, (Input . FG) 500 V AC for 1 min, Detection current = 10 nA, (Output - FG) 500 V AC for 1 min, Detection current = 10 nA, (Output . DC OK)		
	Insulation resistance	50 MΩ min. (Input - Output, FG), (Output - FG, DC OK)		
	Ambient temperature	- 25 ~ +70 °C (Refer to the derating curve of output load)		
Environment	Ambient humidity	20 ~ 90 % RH (With no condensation)		
	Storage temperature	- 40 ~ +85 °C (With no condensation)		
	Vibration resistance	10 - 55 Hz, peak amplitude 0.375 mm, 2 hours for each of 3 directions (DIN Rail is installed without applying voltage)		
	Shock resistance	150 m/s ² , 3 times for each of 6 directions (State of packing)		
Weight	536 g	528 g	524 g	



· Specification

[15 Watt, 30 Watt, 50 Watt, 75 Watt Specification]

[100 Watt, 120 Watt, 180 Watt, 240 Watt Specification]

[100 Watt (12 V, 24 V, 48 V d.c.)]

Model		DPS-100S-12	DPS-100S-24	DPS-100S-48
Output	Rated output voltage	12 V	24 V	48 V
	Rated output current	7.5 A	4.2 A	2.1 A
	Rated power output	90 W	100 W	100 W
	Peak current	9.0 A	5.0 A	2.5 A
	Circuit voltage fluctuation rate	±0.5 %	±0.5 %	±0.5 %
	Load voltage fluctuation rate	±1 %	±1 %	±1 %
	Ripple	120 mV max	150 mV max	240 mV max
	Ambient temperature fluctuation	±1 %	±1 %	±1 %
	Running time	200 ms max (110 V AC, I _o =100 %)		
	Remaining time	20 ms min (110 V AC, I _o =100 %)		
Voltage fluctuation range	11.2 - 13.7 V	22.6 - 27.6 V	45.2 - 50.1 V	
Voltage setting range	±1 % max (Rated output voltage)			
Input voltage	100 - 120 V AC / 200 - 240 V AC ※ Auto-select input			
Input frequency	50 - 60 Hz (47 - 63 Hz)			
Input	Current (A)	110 V AC 0.93	220 V AC 1.7	110 V AC 0.9 220 V AC 1.7
	Efficiency	220 V AC 86 %	88 %	88 %
	Inrush current	110 V AC 220 V AC	20 A Typ. (T _a =25 °C, I _o =100 % at Cold start) 40 A Typ. (T _a =25 °C, I _o =100 % at Cold start)	
	Leakage current	110 V AC 220 V AC	0.35 nA max 0.75 nA max	
	Over current protection	Protective function performed within 110 ~ 200 % of the rated output current		
Protection function	Over voltage protection	14 - 18 V	30 - 34 V	59 - 63 V
	Overheating protection	Protection circuit is in operation when PWM controller's junction temperature is over 135~140°C		
	Protection of output short	Auto Re-start		
	DC OK Signal	Green LED (ON when output voltage is normal)		
	DC OK Output	Relay output (ON when rated output is over 85%), 250 V AC 1 A max, 30 V DC 1 A max)		
ETC	Dielectric strength	2,700 V AC for 1 min, Detection current = 10 nA, (Input - Output) 1,500 V AC for 1 min, Detection current = 10 nA, (Input - FG) 500 V AC for 1 min, Detection current = 10 nA, (Output - FG) 500 V AC for 1 min, Detection current = 10 nA, (Output - DC OK)		
	Insulation resistance	50 MΩ min. (Input - Output, FG), (Output - FG, DC OK)		
	Ambient temperature	- 25 ~ +70 °C (Refer to the derating curve of output load)		
Environment	Ambient humidity	20 ~ 90 % RH (With no condensation)		
	Storage temperature	- 40 ~ +85 °C (With no condensation)		
	Vibration resistance	10 - 55 Hz, peak amplitude 0.375 mm, 2 hours for each of 3 directions (DIN Rail is installed without applying voltage)		
	Shock resistance	150 m/s ² , 3 times for each of 6 directions (State of packing)		
Weight	556 g	558 g	562 g	



[120 Watt (12 V, 24 V, 48 V d.c.)]

Model		DPS-120S-12	DPS-120S-24	DPS-120S-48	
Output	Rated output voltage	12 V	24 V	48 V	
	Rated output current	10 A	5 A	2.5 A	
	Rated power output		120 W		
	Peak current	12 A	6 A	3 A	
	Circuit voltage fluctuation rate	±0.5 %	±0.5 %	±0.5 %	
	Load voltage fluctuation rate	±1 %	±1 %	±1 %	
	Ripple	120 mV max	150 mV max	240 mV max	
	Ambient temperature fluctuation	±1 %	±1 %	±1 %	
	Running time	200 ms max (110 V AC, I _o =100 %)			
	Remaining time	30 ms min (110 V AC, I _o =100 %)			
Input	Voltage fluctuation range	11.2 - 13.7 V	22.6 - 27.6 V	45.2 - 50.1 V	
	Voltage setting range	±1 % max (Rated output voltage)			
	Input voltage	100 - 120 V AC / 200 - 240 V AC ※ Auto-select input			
	Input frequency	50 - 60 Hz (47 - 63 Hz)			
	Current (A)	110 V AC	2.1	2.1	2.1
		220 V AC	1.1	1.1	1.1
	Efficiency	220 V AC	83 %	87 %	88 %
		110 V AC	20 A Typ. (Ta=25 °C, I _o =100 % at Cold start)		
	Inrush current	220 V AC	40 A Typ. (Ta=25 °C, I _o =100 % at Cold start)		
		110 V AC	0.35 nA max		
Leakage current	220 V AC	0.75 nA max			
	Over current protection	Protective function performed within 110 ~ 200 % of the rated output current			
Protection function	Over voltage protection	14 - 18 V	30 - 34 V	59 - 63 V	
	Overheating protection	Protection circuit is in operation when PWM controller's junction temperature is over 135~140°C			
	Protection of output short	Auto Re-start			
	DC OK Signal	Green LED (ON when output voltage is normal)			
	DC OK Output	Relay output (ON when rated output is over 85%), 250 V AC 1 A max, 30 V DC 1 A max)			
	ETC	Dielectric strength	2,700 V AC for 1 min, Detection current = 10 nA, (Input - Output)		
			1,500 V AC for 1 min, Detection current = 10 nA, (Input . FG)		
			500 V AC for 1 min, Detection current = 10 nA, (Output - FG)		
			500 V AC for 1 min, Detection current = 10 nA, (Output . DC OK)		
	Environment	Insulation resistance	50 MΩ min. (Input - Output, FG), (Output - FG, DC OK)		
Ambient temperature		- 25 ~ +70 °C (Refer to the derating curve of output load)			
Ambient humidity		20 ~ 90 % RH (With no condensation)			
Storage temperature		- 40 ~ +85 °C (With no condensation)			
Vibration resistance		10 - 55 Hz, peak amplitude 0.375 mm, 2 hours for each of 3 directions (DIN Rail is installed without applying voltage)			
Shock resistance		150 m/s ² , 3 times for each of 6 directions (State of packing)			
	Weight	670 g	658 g	654 g	

※ Auto-select input selects input voltage automatically without input output 100-120 V AC or 200 - 240 V AC.



[180 Watt (12 V, 24 V, 48 V d.c.)]

Model		DPS-180S-24	DPS-180S-48	
Output	Rated output voltage	24 V	48 V	
	Rated output current	7.5 A	3.8 A	
	Rated power output	180 W	180 W	
	Peak current	9 A	4.6 A	
	Circuit voltage fluctuation rate	±0.5 %	±0.5 %	
	Load voltage fluctuation rate	±1 %	±1 %	
	Ripple	150 mV max	240 mV max	
	Ambient temperature fluctuation	±1 %	±1 %	
	Running time	500 ms max (110 V AC, I _o =100 %)		
	Remaining time	30 ms min (110 V AC, I _o =100 %)		
Voltage fluctuation range		22.6 - 27.6 V	45.2 - 50.1 V	
Voltage setting range		±1 % max (Rated output voltage)		
Input voltage		100 - 120 V AC / 200 - 240 V AC ※ Auto-select input		
Input frequency		50 - 60 Hz (47 - 63 Hz)		
Input	Current (A)	110 V AC	3.3	
		220 V AC	1.95	
	Efficiency	220 V AC	92 %	
	Inrush current	110 V AC	20 A Typ. (T _a =25 °C, I _o =100 % at Cold start)	
		220 V AC	40 A Typ. (T _a =25 °C, I _o =100 % at Cold start)	
	Leakage current	110 V AC	0.35 nA max	
	220 V AC	0.75 nA max		
Protection function	Over current protection	Protective function performed within 110 ~ 200 % of the rated output current		
	Over voltage protection	30 - 34 V	59 - 63 V	
	Overheating protection	Protection circuit is in operation when PWM controller's junction temperature is over 135~140°C		
	Protection of output short	Auto Re-start		
	DC OK Signal	Green LED (ON when output voltage is normal)		
	DC OK Output	Relay output (ON when rated output is over 85%), 250 V AC 1 A max, 30 V DC 1 A max)		
ETC	Dielectric strength	2,700 V AC for 1 min, Detection current = 10 nA, (Input - Output)		
		1,500 V AC for 1 min, Detection current = 10 nA, (Input - FG)		
		500 V AC for 1 min, Detection current = 10 nA, (Output - FG)		
		500 V AC for 1 min, Detection current = 10 nA, (Output - DC OK)		
Insulation resistance		50 MΩ min. (Input - Output, FG), (Output - FG, DC OK)		
Ambient temperature		- 25 ~ +70 °C (Refer to the derating curve of output load)		
Ambient humidity		20 ~ 90 % RH (With no condensation)		
Storage temperature		- 40 ~ +85 °C (With no condensation)		
Environment	Vibration resistance	10 - 55 Hz, peak amplitude 0.375 mm, 2 hours for each of 3 directions (DIN Rail is installed without applying voltage)		
	Shock resistance	150 m/s ² , 3 times for each of 6 directions (State of packing)		
	Weight	682 g	680 g	



※ Auto-select input selects input voltage automatically without input output 100-120 V AC or 200 - 240 V AC.

[240 Watt (12 V, 24 V, 48 V d.c.)]

Model		DPS-240S-12	DPS-240S-24	DPS-240S-48	
Output	Rated output voltage	12 V	24 V	48 V	
	Rated output current	18 A	10 A	5 A	
	Rated power output	216 W		240 W	
	Peak current	21 A	12 A	6 A	
	Circuit voltage fluctuation rate	±0.5 %	±0.5 %	±0.5 %	
	Load voltage fluctuation rate	±1 %	±1 %	±1 %	
	Ripple	120 mV max	150 mV max	240 mV max	
	Ambient temperature fluctuation	±1 %	±1 %	±1 %	
	Running time		700 ms max (110 V AC, I _o =100 %)		
	Remaining time		30 ms min (110 V AC, I _o =100 %)		
	Voltage fluctuation range	11.2 - 13.7 V	22.6 - 27.6 V	45.2 - 50.1 V	
	Voltage setting range		±1 % max (Rated output voltage)		
	Input	Input voltage	100 - 120 V AC / 200 - 240 V AC ※ Auto-select input		
Input frequency		50 - 60 Hz (47 - 63 Hz)			
Current (A)		110 V AC	4.5	4.5	4.5
		220 V AC	2.4	2.4	2.4
Efficiency		220 V AC	90 %	92 %	93 %
Inrush current		110 V AC	20 A Typ. (Ta=25 °C, I _o =100 % at Cold start)		
		220 V AC	40 A Typ. (Ta=25 °C, I _o =100 % at Cold start)		
Leakage current		110 V AC	0.35 nA max		
		220 V AC	0.75 nA max		
Over current protection			Protective function performed within 110 ~ 200 % of the rated output current		
Over voltage protection			16 - 18 V	28.5 - 33 V	56 - 59 V
Overheating protection			Protection circuit is in operation when PWM controller's junction temperature is over 135~140°C		
Protection function		Protection of output short	Auto Re-start		
	DC OK Signal	Green LED (ON when output voltage is normal)			
	DC OK Output	Relay output (ON when rated output is over 85%), 250 V AC 1 A max, 30 V DC 1 A max)			
ETC	Dielectric strength	2,700 V AC for 1 min, Detection current = 10 nA, (Input - Output)			
		1,500 V AC for 1 min, Detection current = 10 nA, (Input . FG)			
		500 V AC for 1 min, Detection current = 10 nA, (Output - FG)			
		500 V AC for 1 min, Detection current = 10 nA, (Output . DC OK)			
		50 MΩ min. (Input - Output, FG), (Output - FG, DC OK)			
Environment	Insulation resistance	50 MΩ min. (Input - Output, FG), (Output - FG, DC OK)			
	Ambient temperature	- 25 ~ +70 °C (Refer to the derating curve of output load)			
	Ambient humidity	20 ~ 90 % RH (With no condensation)			
	Storage temperature	- 40 ~ +85 °C (With no condensation)			
	Vibration resistance	10 - 55 Hz, peak amplitude 0.375 mm, 2 hours for each of 3 directions (DIN Rail is installed without applying voltage)			
Shock resistance	150 m/s ² , 3 times for each of 6 directions (State of packing)				
Weight		896 g	892 g	890 g	



※ Auto-select input selects input voltage automatically without input output 100-120 V AC or 200 - 240 V AC.