

Product features

- Global universal voltage: 100-240VAC, 50/60Hz
- Energy efficiency rating DoE Level VI
- Overvoltage, overcurrent, short circuit protection
- Fully enclosed plastic housing
- Plug-in wall input interface
- Plug-and-play
- Comply with global certification requirements



REACH
RoHS

The PD35W series is a desktop adapter power supply. This series of power supplies features global input voltage range, low power consumption, high efficiency, high reliability, and safety isolation, meeting EN 55032; EN 55035; EN IEC 61000; EN 61000; EN IEC 62368-1; IEC 62368-1 and FCC Part 15 Subpart B standards. The entire series offers output voltages ranging from 5V to 20V, catering to the needs of various consumer electronics, telecommunications equipment, office devices, and household appliances.

Electrical specifications

Product Features								
model		A035B	A035B	A035B	A035B	A035B	A035B	A035B
output	DC Voltage	5V	9V	12V	15V	20V	PPS: 3.3-11V	PPS: 3.3-21V
	Rated current	3.0A	3.0A	2.91A	2.33A	1.75A	3A	1.66A
	Current range	0.01-3.0A	0.01-3.0A	0.01-2.91A	0.01-2.33A	0.01-1.75A	3.0A	1.66A
	rated power	15W	27W	35W	35W	35W	35W	35W
	Voltage accuracy	±5%	±5%	±5%	±5%	±5%	±5%	±5%
	Line Regulation	±3%	±3%	±3%	±3%	±3%	±3%	±3%
	Load Regulation	±5%	±5%	±5%	±5%	±5%	±5%	±5%
	Ripple &Noise(max)	100mVp-p max	100mVp-p max	120mVp-p max	150mVp-p max	200mVp-p max	200mVp-p max	210mVp-p max
	turn-on delay	3s@90VAC fully loaded						
	HOLD	10ms@115VAC fully loaded, 20ms@230VAC fully loaded						
	Output	Constant Voltage/Constant Voltage &Constant Current						
	rise time	30ms max						
	overshoot	When the power is on, the maximum is 10% when the power is off						
	Dynamic response	Output voltage at 115Vac and 230Vac conditions, load changes 25%,50%,75% and 100%, slope: 0.5A/us, frequency: 50Hz-10KHz						
input	Output Voltage	90 - 264VAC						
	input frequency	47 - 63Hz						
	Efficiency	5V3A≥81.39% , 9V3A:≥86.62% , 12V2.91A≥87.4% , 15V2.33A≥87.34% , 20V1.75A≥87.34%						
	Input voltage	0.9A Max@90VAC fully loaded						
	Input voltage	Cold machine start: up to 50A at 264Vac input						
	No load power consumption	≤0.21W ,At the input 115Vac/230Vac						
	Leakage current	0.25mA Max@264VAC						
protect	Overvoltage protection	110%-150% of the rated output voltage						
	Overcurrent protection	The rated output current is self-recovered by ≥110%						
	Short circuit protection	Hypersomnia, sustained short circuit, self-recovery						
	Safety standards	CCC,CE,UKCA, FCC,ETL						
	Color	Black\white						
	Conventional Models	5V3A,9V3A,12V2.91A,15V2.33A,20V1.75A;PPS:3.3-11V/3.3A;PPS:3.3-21V/1.65A						
notes	* Ripple and noise test method: Ripple and noise. When measuring ripple and noise, the oscilloscope is selected with a 20MHz							

bandwidth limit. A 0.1uF ceramic capacitor and a 10uF electrolytic capacitor are connected in parallel at the output end (input voltage 100~240Vac)

General characteristics

project	working conditions	Min.	Typ.	Max.	unit
insulation voltage	Input-output, test time 60s, leakage current less than 10mA	--	--	3000	VAC
insulation resistance	Input-output, insulation voltage 500VDC	100	--	--	M Ω
operation temperature	0℃ ~ 40℃, 20%~80% RH Non-Condensing	0		40	℃
storage temperature		-40		85	
Working humidity		20	--	80	%RH
Storage humidity	5%-95% RH Non-Condensing	5	--	95	
altitude		--	--	2000	m
lifetime	25℃	3			years
MTBF	MIL-HDBK-217F (25℃)	50000	--	--	hours

Physical property

Housing material	PC, 120℃ 94V-0
Color	Black\white
Shell size	45.1mm(L) x43mm(W) x26.5mm(H)
weight	200g(Typ.)
Cooling method	Natural air cooling

Safety standard;EMI Standards

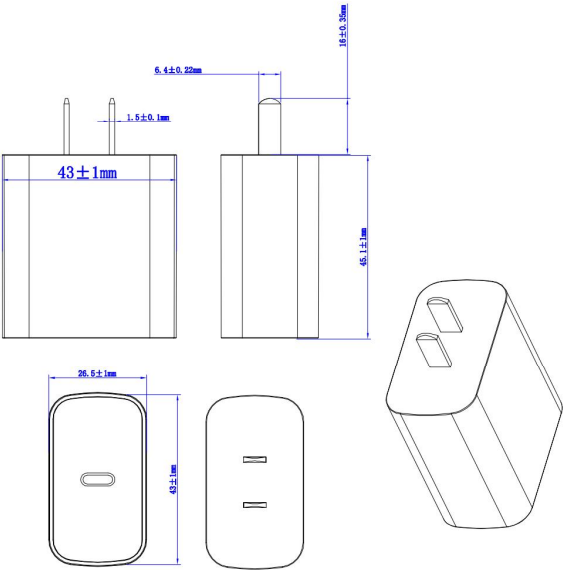
classification	standard	condition	remarks
Safety	EN 55032; EN 55035; BSEN 55032; BSEN 55035;EN IEC 61000; EN 61000; EN IEC 62368-1; IEC 62368-1;FCC Part 15 Subpart B	accord with	
EMI	EN 55032; EN 55035;BSEN 55032; BSEN 55035;FCC PART 15B;GB17625.1 -2022, GB/T 9254.1-2021	accord with	

EMS Standards

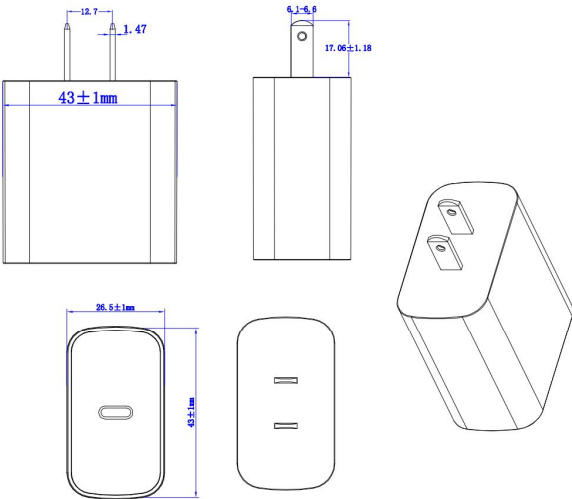
EN 61000-3-2	Harmonic current emissions
EN 61000-3-3	Voltage fluctuations & flicker
EN 61000-4-2	Electrostatic Discharge(ESD): 8kV air discharge, 4kV contact discharge /
EN 61000-4-3	Radio-Frequency Electromagnetic Field Susceptibility Test-RS
EN 61000-4-4	Electrical Fast Transient/Burst-EFT
EN 61000-4-5	Surge Immunity Test: AC Power Line: line to line 1kV
EN 61000-4-6	Conducted Radio Frequency Disturbances Test-CS
EN 61000-4-8	Power Frequency Magnetic Field Test
EN 61000-4-11	Voltage Dips

Appearance

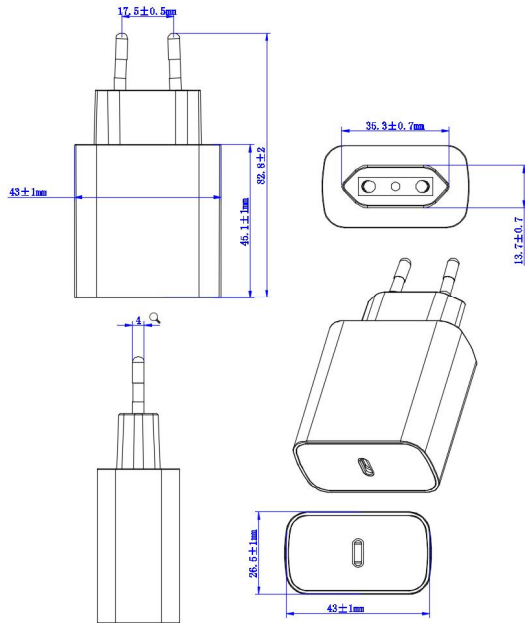
China pin



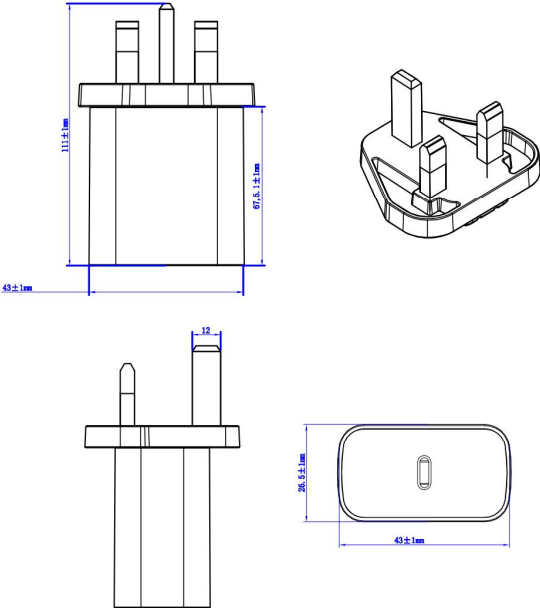
Us code pin



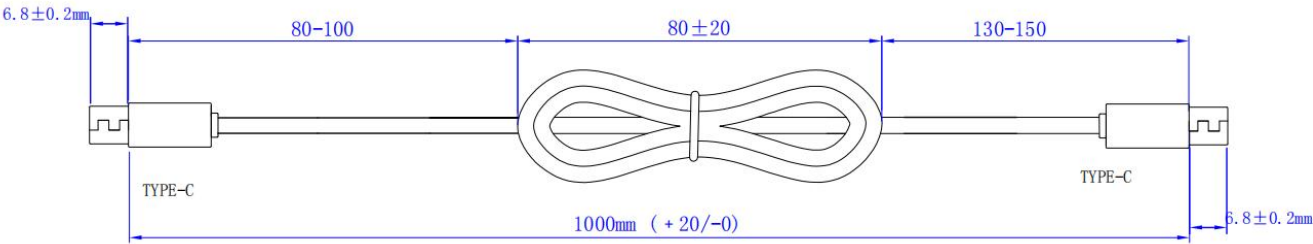
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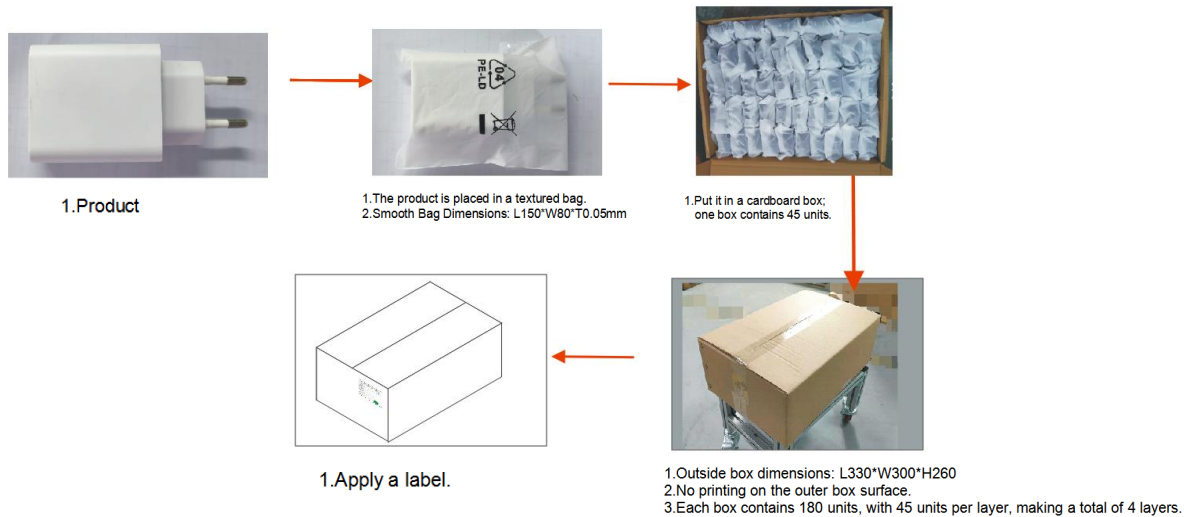
British pin



DC Wire appearance size: (wire) DC head, wire length, customized according to customer requirements



Packaging diagram: packaging can be customized according to customer needs



- Notes: 1. Product compliance with regulations: Refer to "Product Features", "EMC Specifications", and "Safety Standards";
2. Discarded products must be stored in compliance with ISO14001 and relevant environmental regulations, and handled by certified entities;
3. Performance may not meet all specifications if operating outside specified load ranges;
4. Unless otherwise noted, all test results are obtained under conditions of $T_a=25^{\circ}\text{C}$ temperature, $<75\%\text{RH}$ humidity, nominal input voltage, and rated output load;
5. All testing methods follow our company's internal standards;
6. Customization services are available upon request. For specific details, please contact our technical team directly.



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