

Features

- Input Range 90~264V AC
- Interchangeable Medical Plugtop Adapters
- Approved to
- UL/EN 62368-1 Safety Approved
- Meets Efficiency Level VI & (EU) 2019/1782
- EMC Class B Certified
- Single Output 5V DC



Certified to UKCA, CE, FCC, TUV-GS, cULus, RCM (C-Tick), SAA, CCC, PSE, KC, RoHS, REACH & EN 62368-1/UL 62368-1/GB 4943-1/J 62368-1/K 60950-1 Standards and complies with (EU) 2019/1782, Level VI Efficiency Regulations. These are primarily used in ITE, Audio & Video Industries and customised solutions are available upon request.

Models

Model Number	Output Range (V)	DC Voltage (V)	Rated Current (A)	Rated Power (W)	Efficiency (%)
02PD0202C	4.75-5.25	5	3.0	20	81.39

Input Specifications

Input Voltage	90-264VAC
Frequency Range	47/63Hz
AC Current	0.5A Max (I/P 100~240V AC)
Inrush Current	60Amax. @ 230Vac input

Output Specifications

Ripple and Noise	150mVp-p - 20MHz Bandwidth 10uF Ele. Cap. & 0.1uF Cer. Cap
Line regulation	+1%
Load regulation	+5%
Turn-on delay time	3S max. @ 100Vac to 240Vac input & Full load
Hold up time	10mS min. @ Full load & 115V ac/60Hz input turn off at worst case 20mS min. @ Full load & 230V ac/50Hz input turn off at worst case
Rise Time	20mS max. @ Rated load
Fall Time	20mS max. @ Full load
Output Overshoot / Undershoot	10% max. When the power on or off

Protection

Over Current	Over Current Point Limited: 105%-200% of rated load (100-240Vac) The output shall hiccup when the over currents applied to the output rail, and shall be self-recovery when the fault condition is removed
Short Circuit	When output occur short circuit, usb charger enter hiccup mode, when ocp situation solved, product will automatically recover to work .

Environmental Conditions

	Operating	Relative Humidity
Operating Temperature	0°C to +35°C	10%RH to 90%RH
Storage Temperature	-20°C to +80°C	5%RH to 95%RH non-condensing @ Sea level shall be low 5,000 meter
Vibration	10 to 300Hz sweep at a constant acceleration of 1.0G (Breadth: 3.5mm) for 1 Hour for each of the perpendicular axes X, Y, Z	
Drop in	Height: 1m; the product should be fell off on the hardwood with the thickness of 20mm, and the hardwood should be put on the base of the cement or on the ground without flexibility. Apply two times on all surface. Apply two times on all corners.	

Reliability

Burn-In	The power supply shall be burn-in for 4 Hours under normal input and 80% rated load at 25°C \pm 5°C
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EMI/EMS Standards

EMI	EN55032、FCC Part15 Class B、AS/NZS CISR32、GB/T9254 、J55032 、KN032		
EMS Standards			Test criteria
ESD	EN 61000-4-2	Air discharge +/-8KV - Contact discharge +/-4KV	B
RS	EN 61000-4-3	3V/m (r.m.s) 80-1000MHz,80%AM(1KHz) sine-wave	A
Electric Fast Transients(burst)	EN 61000-4-4	AC-input 0.5KV	A
		AC-input 1KV	B
Surge	EN 61000-4-5	Common mode N/A, Differential mode +/-1KV	A
Induced Radio Frequency	EN 61000-4-6	3V, 0.15-80 MHz,80%AM(1KHz)	A

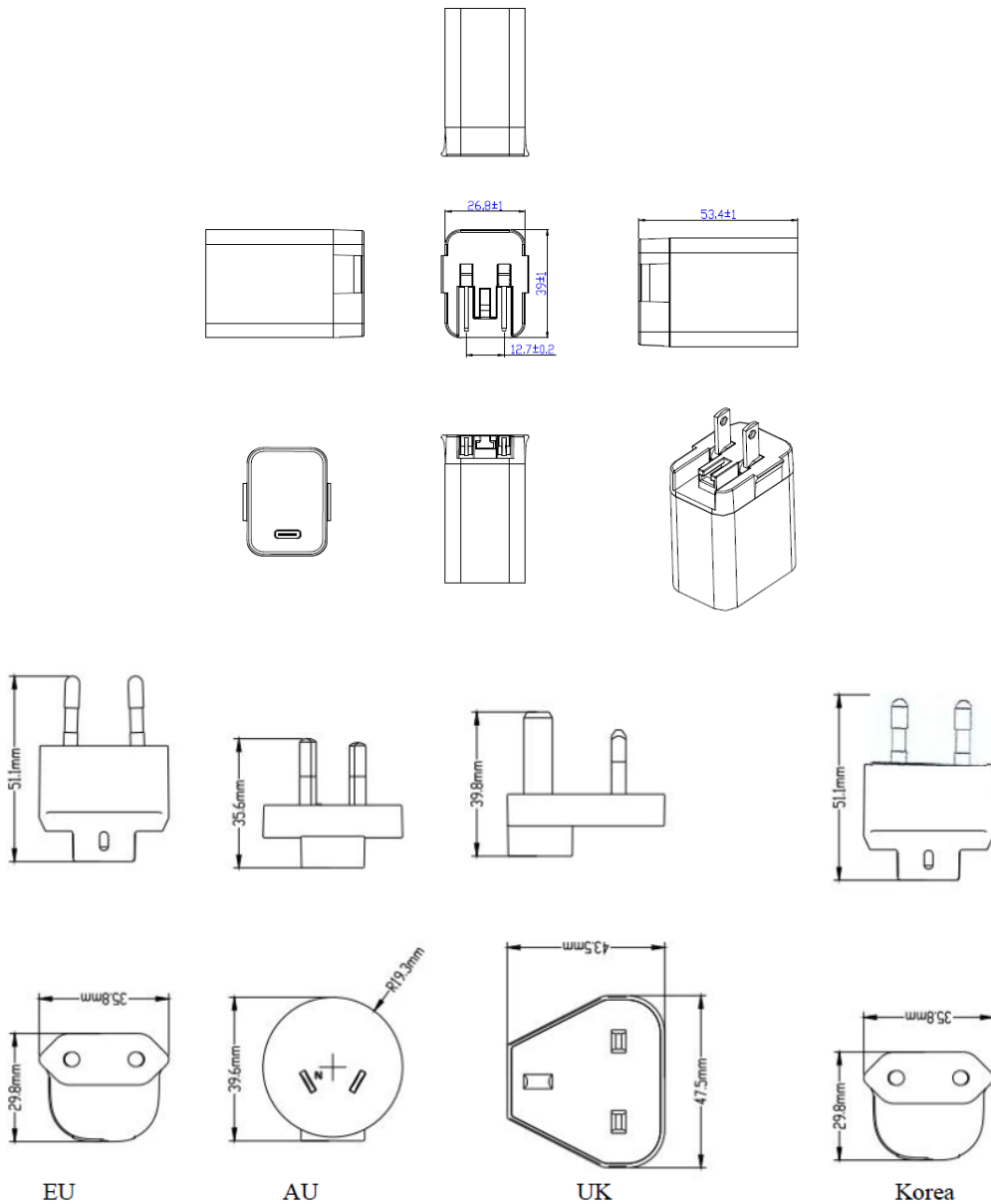
Safety Standards

Dielectric Strength (Hi-pot)	Primary to Secondary: 3000Vac / 60 second
Insulation Resistance	50M Ω min. at
Regulatory Standards	UKCA, CE, cETLus, FCC, SAA, CCC, PSE, KC
Certifications	ETL62368 EN62368 GB4943 J62368 K60950

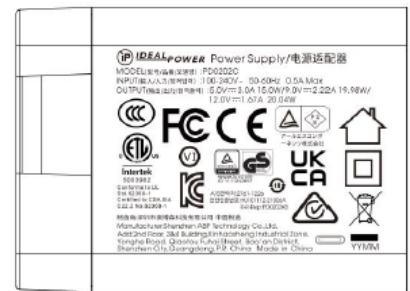
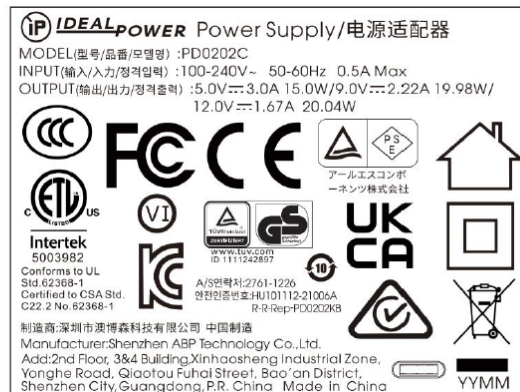
Product Information

Size	39 x 26.8 x 53.4mm
Weight	60g
Shell material	PC 120°C/ temperature resistance 120°C

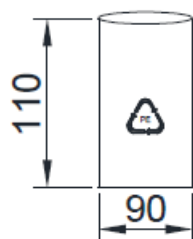
Dimensions and Recommended Layout



Typical Label

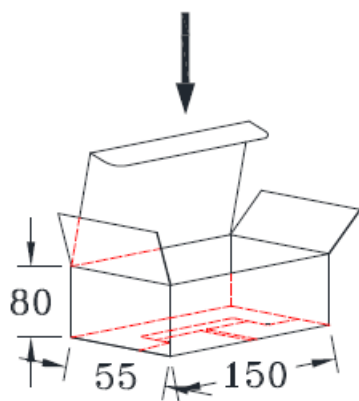


Packaging

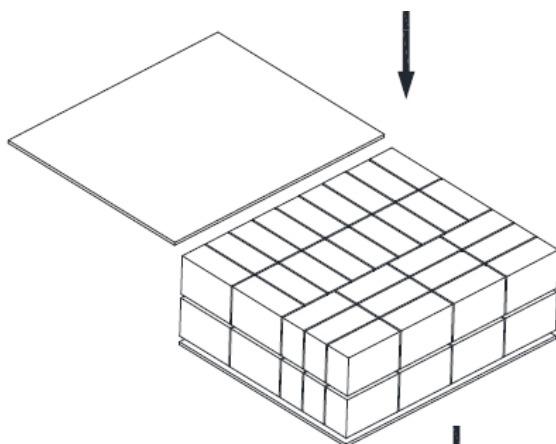


PE

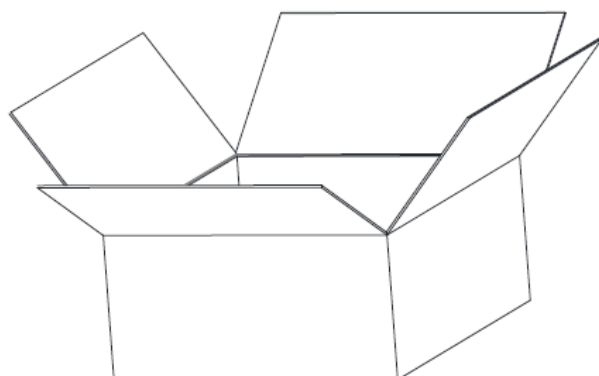
35C-1100900-000
110*90*T0.03mm



36A-1505580-000
L150*W55*H80mm
350g



36D-4913910-000
490* 390mm,
A3A 2PCS



36C-5014010-000
500*400*210mm

—60PCS