POWER SUPPLY–CHARGER EGN65

High quality plug-in power supply–charger USB-C PD



FEATURES:

- compact design, low weight
- high energy efficiency
- high user safety
- compliant with LVD, EMC, ErP, RoHS
- low no-load power consumption

APPLICATIONS:

- Consumer electronics: smartphones, tablets, laptops
- Telecommunications equipment
- Electronic office equipment
- Other devices powered/charged via USB-C

The **EGN-65PD-UC6** power adapters/chargers are designed for consumer electronics applications, serving as power sources and chargers for laptops, smartphones, tablets, and similar devices. They are distinguished by high build quality and excellent electrical parameters — including low ripple and noise, superior regulation, and a high level of user safety (such as low leakage current and breakdown-resistant insulation) — as well as high energy conversion efficiency. Their design utilizes high-quality electronic components that ensure reliable, continuous operation over the long term. These power supplies are dependable, fully protected, and stable. The units comply with LVD and EMC directives and Ecodesign requirements, and they come with a 5-year warranty.

5 YEARS WARRANTY

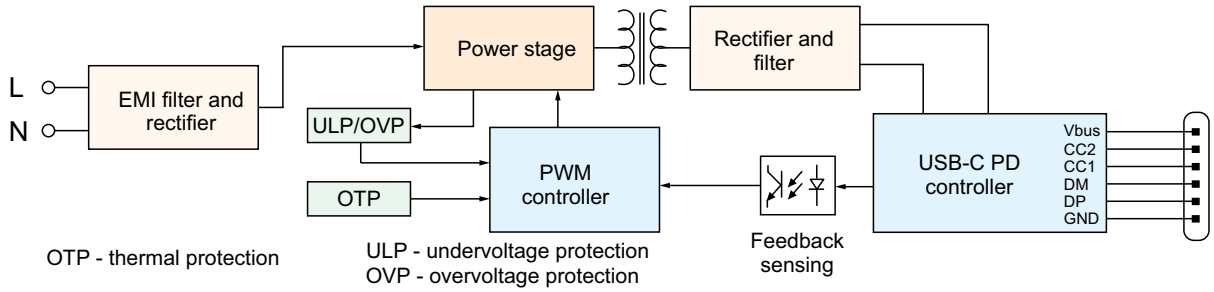
TECHNICAL SPECIFICATION

Group	Parametr name	EGN-65PD-UC6	Conditions
Input	Rated input voltage	100–240 VAC	
	Input voltage range	90–264 VAC	
	Mains frequency range	50–60 Hz	
	AC current (max.)	1.6 A	At 100 VAC
	Inrush current (max.)	100 A	At 240 VAC
	No load power consumption	150 mW	
	Input leakage current (max.)	0.1 mA	At 240 VAC
	Power factor correction	0.50	
Output	Rated output voltages	Coarse settings: 5 V, 9 V, 12 V, 15 V and 20 V Fine PPS: 3.3 – 11 V/3 A, 3.3 – 21 V/3 A	
	Rated output current	3 A (for range 5 V ... 15 V), 3.25 A for 20 V	
	Rated output power (for voltage range)	15 W (5 V), 27 W (9 V), 36 W (12 V), 45 W (15 V), 65 W (20 V)	
	Energy efficiency	84% for 5 V, 91% for 20 V	At 230 VAC
	Energy conversion efficiency at 10% load	84.5% for 5 V, 86% for 20 V	
	Line regulation	±2%	
	Load regulation	±5% (5 V), ±3% (20 V)	
	Ripples and noise	200 mVp–p (5 V), 300 mVp-p (20 V)	
	Output voltage hold time (max)	3 ms	At 100 VAC
	Output voltage rise (max)	30 ms	At 100 VAC
	DC voltage rise time (max.)	0.5 s	At 100 VAC
Environmental	Working temperature range	–5 to +30°C	
	Working humidity range	35% to 85% RH	At 40°C
	Storage temperature range	–20°C to +70°C	
	Cooling method	Free air circulation	Convection cooling
Protection	Input: overvoltage (OVP), undervoltage (UVP)	OVP, UVP	
	Output: overcurrent (OCP), short circuit (SCP), overvoltage (OVP)	OCP typ. 3.3 A (for 5 V ... 15 V) OCP typ. 3.8 A (for 20 V) SCP, OVP	
	Transient voltage protection	Yes	
	Thermal switch	Yes	Built into controller
	Automatic recovery on fault remove	Yes	
Safety and EMC	Withstand isolation voltage (min.)	3 kVAC	Input to output, 5 mA, 1 min
	Isolation resistance (min.)	100 MΩ	500 VDC
	Isolation class	2	Reinforced isolation
	Safety compliance	EN62368-1:2020+A11:2020	
	EMC compliance	EN55032 class B EN61000-4-2 (8/6 kV), -4-4 i -4-5 (1 kV)	
	Marking	CE, UKCA, RoHS DoE Level VI, ErP	

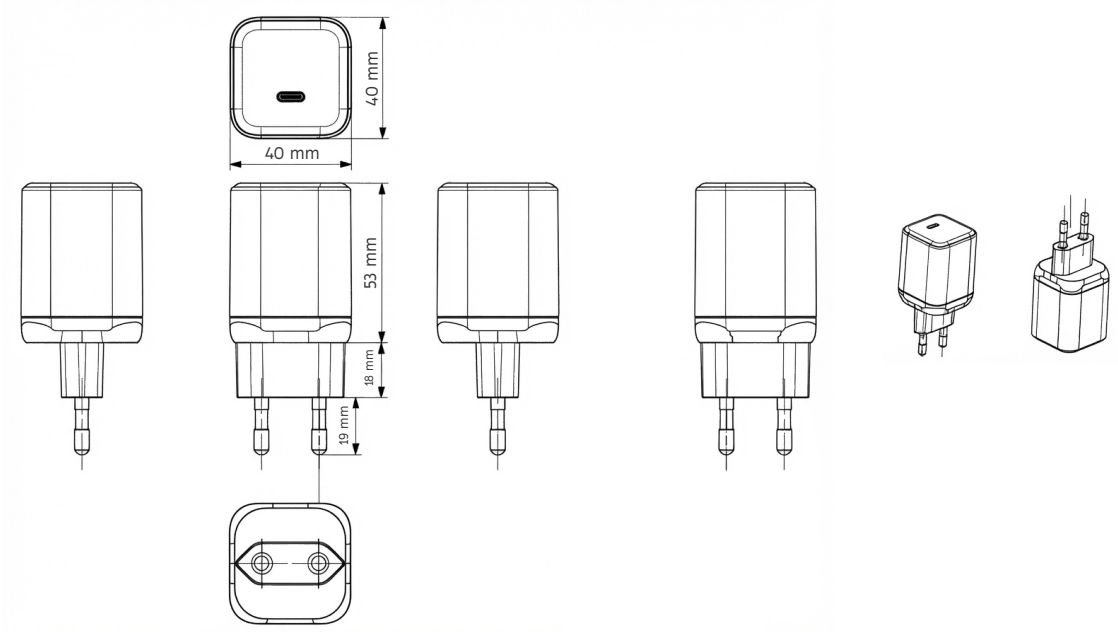
Mechanical and features	Enclosure type	Black ABS plastic, IP20	
	Dimensions	40 × 40 × 53 mm	See picture below
	Weight	92 g	
	Output connector	USB Type C socket	
	Input connector	EU plug	
	Related accesories	USB-C to USB-C cable	1.5 m
	Package size	95 × 45 × 50 mm	
	Manufacturing	China	
	Warranty	5 years	
	MTBF	20 000 hours	At 25°C
	EAN	5904139616147	

Notes: Unless otherwise stated, all parameters are specified at 230 VAC input voltage, 50 Hz, ambient temperature 25°C and relative humidity 70% for rated load output. The parameters related to the output voltage regulation are measured from low to high line or for load changes from 0 to 100%, respectively. The power supply is considered as an independent unit, but the final equipment still need to reconfirm that the whole system complies with the EMC directives. If the PSU is installed in the final device as a subassembly, the tests should be repeated to verify that the system has been met compliance.

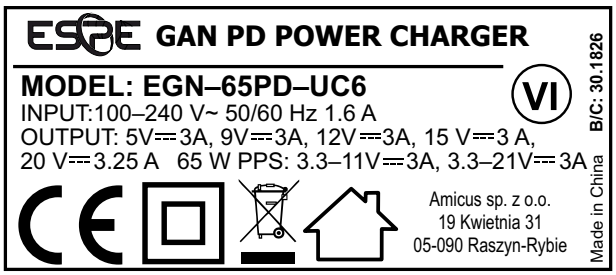
BLOCK DIAGRAM



MECHANICAL SPECIFICATION



PRODUCT LABEL



Legend to the label icons:

- II safety class: no grounding is required, no dangerous voltage even in an emergency situation will appear on output
- power supply intended for indoor use only
- high efficiency supply with small power consumption at no load, meeting requirements of 6th level rating Energy Star Compliance and European ErP regulations
- the product must not be disposed of in normal waste containers

Relase: 2026–10–15