

USB-C PD ENABLED POWER ADAPTERS

25W, 40W, 60W & 100W Models

PHASIUM
BY MEGMEET



Key Features

- TUV Safety Approval to IEC 60601-1
- Class B Radiated / Conducted Emissions
- 4th ed. EMC Compliant
- Class I or Class II Construction
- IP22 Rated Enclosure
- Reversible USB-C Output Plug
- USB Compliant Policy Engine
- Embedded BMC Transceiver Supports Vendor-Defined Messaging (VDM)
- Supports USB 2.0 & 3.0
- High Power Density - 5.63W /in³
- 3 Year Warranty

MANGO USB-C PD Series

For the first time, battery-powered devices can benefit from the universal ease of use of USB-C PD. By implementing the latest and highest-powered version of USB for battery-powered devices, built-in versatility is available in a product that solves power and voltage incompatibilities. Phasium's USB-C + PD complies with USB and USB PD standards to provide system features and benefits including: Reversible & robust USB-C output connector and power delivery for reduced charge time of higher-power products including medical devices.



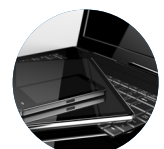
Battery Charger



Sleep Apnea Therapy



Medical Lighting



Any USB-C PD Device

PHASIUM
BY MEGMEET

POWER@PHASIUMPOWER.COM

Robust and Flexible

The variable design of the USB-C PD can reduce unique part numbers by 80%

Models	Output Voltage	Output Current	Max Total Regulation	Product Availability
MANGO24-USB-C	5V/9V/10.4V/15V/20V*	3.0A (24W max)	±5%	September 2019
MANGO40-USB-C	5V/9V/10.4V/15V/20V*	3.0A (40W max)	±5%	September 2019
MANGO60-USB-C	5V/9V/10.4V/15V/20V*	5.0A (60W max)	±5%	In Production
MANGO100-USB-C	5V/9V/10.4V/15V/20V*	5.0A (100W max)	±5%	May 2019 (samples available)

*Custom voltages for product keying available

Technical Highlights

Input Voltage	90-264 VAC (Universal) 300 VAC (Maximum Non-Operating)	Efficiency	Up to 90% @ 115/230 VAC, 20VDC 80% typical @ 115/230 VAC, 5VDC
Output Voltage	See table above	Operating Temperature	0°C ~ +40°C
Leakage Current	<100µA @ 264VAC	Protection	2X MOPP (Input to Output)
Line Regulation	±0.5%	Isolation	Input to Output: 4000 VAC Input to Ground: 1500VAC Output to Ground: 500 VDC
Load Regulation	±5%		

Note: Product specifications are subject to change without prior notice

POWER EXPERTS

Phasium designs and manufactures high-efficiency, smart, power products and assemblies for commercial, medical and industrial markets.

Using advanced conversion techniques, conservative design rules and resourceful mechanical design, the company's competitively-priced products include standard and custom adapters, power supplies, battery packs, chargers, and docking stations.