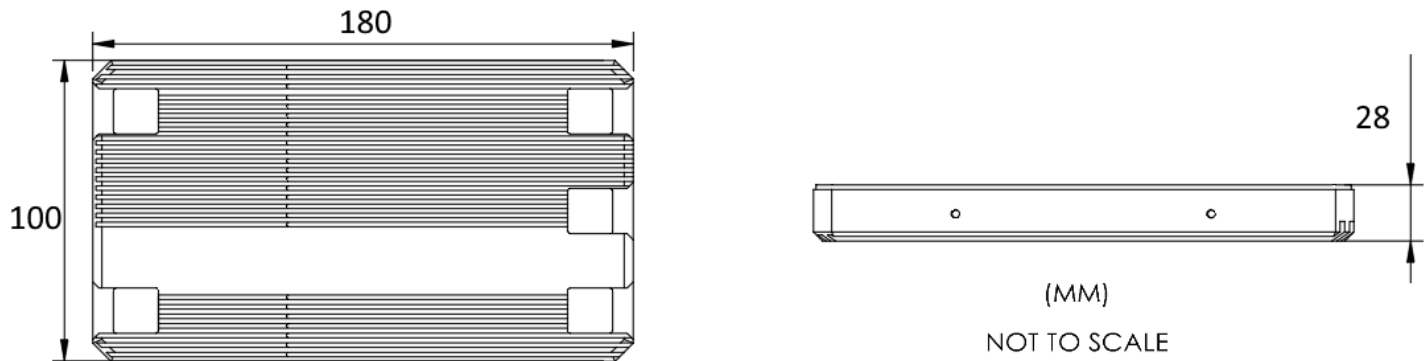


APD UHV_Pro Series: UHV28S Datasheet

Version: 1.3

Drawings



Specification

| | | | |
|--|------------------------|--------------------------------------|-------------------------------|
| Peak Power Rating (kW) | 45 | Weight (No cables) (g) | 1069 |
| Continuous Power Rating (kW) | 36 | Weight (No enclosure) (g) | 296 |
| Continuous Current (A) | 300 | Dimensions (mm) | 180 × 100 × 28 |
| Continuous Rating Duration (s) | Cooling Dependant | Input Signal PWM Frequency | Up to 500Hz |
| Burst Current (A) | 400 | Input PWM Frequency Pulse Width (ms) | 1000µs to 2000µs (Adjustable) |
| Burst Rating Duration (s) | 10 | Motor De-sync Protection | YES |
| Max Voltage (V) | 120 | Auto Motor PWM-Freq | YES |
| Max No. of LiPo Cells | 28S | Regenerative Braking | YES |
| Min Voltage (V) | 15 | Max Regen Current (A) | 20 (10% max set current) |
| Min No. of LiPo Cells | 5S | Max Regen Voltage | 110% Power on Voltage |
| Max ERPM | 1,000,000 | Auto Timing Advance | YES |
| Input Resolution | 12 bit (0.02%) | Stall Protection | YES |
| | | Configuration Tool | YES |
| Max Operating Temperature (°C) (50% current limit start point) | 115 | Data Logging (Black Box) | YES |
| Recommended Airflow to achieve max power ratings (m/s) | Not necessary with fan | Bi-Directional Control | YES |
| Decoupling Capacitor | Internal | Micro USB Firmware Flashing | YES |

CAD Files: <https://a360.co/3jTFe3d>