

Power Control Unit (PCU) - 110

The PCU-110 is a flight - proven "Power Control and Distribution Unit". It is able to handle power regulation, power switching, DC/DC conversion and safety features of a small satellite. It is highly adaptable for different missions and subsystems.



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Characteristics	Description
Main TMTC Interface	RS422
Solar Panel Power In (standard) (optional)	20 - 25V DC 12V, 15V, 18V, 28V
Regulated Power (standard) (optional)	12V, 5V, 3.3V (18V - 24V unregulated) Any between 1.8V to 28V
Adjustable Switches and Fuses	Yes
Latch Protection	Yes
Battery Protection	Schmitt Trigger intelligent Power Management
Size	236 x 105 x 87 mm ³
Weight	0.96kg
Storage Temperature	-30°C to +50°C
Operating Temperature	-20°C to +40°C
Design Life	5 years LEO
Space Heritage	TRL9

