

POWER CONTROL UNIT (OBSOLETE)

The PCU-100 by Berlin Space Technologies is a sophisticated power control unit for small satellites. 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 sub systems. It has space heritage and is qualified for space.



CHARACTERISTICS	
Main TMTC Interface	RS422
Solar Panel Power In (standard) (optional)	20-25V DC 12V, 15V, 18V, 28V
Regulated Power (standard) (optional)	24V, 12V, 5V, 3.3V Any between 1.8V to 28V
Adjustable Switches and Fuses	Yes
Latch Protection	Yes
Battery Protection	Schmitt Trigger intelligent Power Management
MPPT	Optional
Size	236x105x87mm ³
Weight	1.80kg
Storage Temperature	-30°C to +50°C
Operating Temperature	-20°C to +40°C
Design Life	5 years LEO
Space Heritage	Yes