

POWER BUDGET

Sunshine State	Category	Voltage [V]	Consumption current [mA]	Power consumption [mW]	Condition of operation time per round	Operation time per round [sec]	Power consumption [mW/round]
eclipse	Standby (EPS)	3.7	8	245	Turn on electricity all time	5817	47.8
	Standby (C&DH)	5	100	125	Turn on electricity all time	5817	807.9
	Standby (Communication)	5	15	550	Turn on electricity all time	5817	121.2
	FM1200bpsReception	5	25	551	Turn on electricity all time	5817	202.0
	CW operation	5	100	958	turn on electricity (Transmission time is 5 sec. and interval is 10 sec.)	1939	269.3
	FM1200bpsTransmission	5	700	536	Turn on electricity once in 5 rounds (5 min.)	60	58.3
	camera (standby)	5	90	626	Turn on electricity for photographing operating once in a round (2 min.)	120	15.0
	camera (shoot)	5	380	517	Turn on electricity for photographing (30 sec.)	30	15.8
	High speed Communication	5	700	194	Turn on electricity once in 5 rounds (8 min.)	96	93.3
Total of power consumption							1631 [mW/round]