

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 |
| | FM1200bps Reception | 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] |