



Specifications

- Length: 70"
- Wingspan: 120"
- Weight, ready to fly: 8.3 pounds
- Propulsion: Outrunner Motor & folding propeller
- System Voltage: 8.0V nominal, 8.4V max.
- PV System: 32ea. Sunpower C60 solar cells configured as 16S2P
- Solar Current: 8.0 to 9.7A (Sun-Zenith angle <30 Deg.)
- Solar Output Power: 64-81 Watts
- Minimum Sustained-Flight Power: 60.3W-electrical (If L/D=14 & speed=22.6MPH) AOA=3 degrees
- Minimum Sustained-Flight Power: 49.4W-electrical (If L/D=14 & speed=18.8MPH) AOA = 5 degrees
- Stall speed: 18.0MPH at AOA = 8 degrees
- Wing chord: 12.5"
- Wing area: 1500 sq-in
- Wing Aspect Ratio: 9.6
- Wing loading: 12.8 oz/sq-ft
- Construction: Balsa & ply, carbon fiber spar, two piece wing, clear Solite wing covering

- Rib Counts**
- (8) 1/16" ply full-wrap sheeting rib
 - (2) 3/32" balsa full-wrap ribs
 - (6) 1/8" ply full-wrap sheeting rib
 - (22) balsa mid-wing ribs

**Front and Top Views
Solar Plane**

Protel sheet size: 16 x 10.5"

Gary Stevens 9/23/16