



EXEGI

Heat Pipes

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|---------------------|--------------------------|
| Heat pipe (outer) | High boron-silicon glass |
| Heat pipe (inner) | Copper (TU1/TU2) |
| Heat transfer fluid | Water-Glycol |
| Heat pipe diameter | 58/1800mm |
| Heat pipe length | 1800mm |

Wet/Flooded Tubes

| | |
|------------------------|--|
| Length | 1800mm |
| Outer diameter | 58mm |
| Inner diameter | 47mm |
| Glass thickness | 1.6mm |
| Material | Borosilicate glass 3.3 |
| Absorptive coating | Graded Al/N/Al |
| Vacuum | $P < 5 \times 10^{-2} \text{PA}$ |
| Insolation temperature | $> 200^{\circ}\text{C}$ |
| Absorptance | $> 93\%$ |
| Emissivity | $< 8\%$ |
| Heat loss | $> 0.8 \text{W}(\text{m}^2)^{\circ}\text{C}$ |
| Maximum pressure | 0.8Mpa |
| Cold resistance | -35°C |
| Hailstone resistance | Approx. 25mm |
| Wind resistance | 30m/s |

Total Collector Area by Model

| | |
|-------|--------------------|
| USB20 | 1.52m ² |
| USB24 | 1.83m ² |
| USB30 | 2.29m ² |