

GUIDANCE AND PAYLOAD

Robot Guidance 3 0 ★	Cyborg Guidance 30 0.5* ★	Artificial Intelligence 40 0* ★
Atmo Scoop 17 1 e + propellant	Storm Shelter 6 0.5 ★	H-Bomb Warhead 10 0.5 💣

NEUTRON SOURCES

Fission Reactor 11 1 n ⚡	D-T Bottle 25 1 n ⚡	D-T Inertial 28 1 n ⚡
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ION SOURCES

Ion Engine 11 3 + ⚡	JxB Engine 23 1 + ⚡	Pion Bottle 25 1 + ⚡
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LASERS

CW Excimer Laser 16 0.5 p ⚡	Free Elect. Laser 28 1 ⚡	Laser Mirror 20 0.5 p ⚡
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IMPULSE SOURCES AND ACCELERATORS

Orion Engine 11 2 💣	Penning Trap 17 3 ⚡	rf Paul Trap 23 4 ⚡
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ENERGY STORAGE

Flywheel 3 3 ⚡	H ₂ -O ₂ Fuel Cell 16 2 ⚡	Living Capacitors 30 1 ⚡
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RADIATORS

BeO Dust Radiator 7 1 ⚡	Na Droplet Radiator 17 1 ⚡	Termite Radiator 22 0.5 ⚡	Ant Farm Radiator 40 1 ⚡	Open Cycle Cooling 5 0 ⚡
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PION SOURCES

Antimatter Chamber 34 1 ⚡	Cat. Fusion Torch 45 1 ⚡
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THRUSTERS

Solar Therm 7 0 ⚡	De Laval Nozzle 7 0 p	Magnetic Nozzle 18 0 p	Centipede Rifle 9 1 p
ResistoJet Engine 5 0.5 ⚡	Photon Sail 30 2 ⚡	Spider Sail 40 1 ⚡	Laser Sail 25 1 ⚡
ArcJet Engine 10 1 ⚡	Hall Effect Neutralizer 10 0 ⚡	Colloid Accel 7 0.5 ⚡	Turbulent Dissipator 25 2 ⚡
MPD T Wave 17 1 ⚡	Mass Driver 20 2 ⚡	Shock Plate 10 2 ⚡	Solem Tug 24 3 ⚡

PLASMA CHAMBERS

H ₂ -LOX Chemical 6 0.5 p	Cermet Matrix 14 0.5 p	Boil Metal Vortex 20 1 p	n-Li ₆ Fission 35 2 p
Metastable Helium 18 1 p	Free Rad. Hydrn 27 2 p	Hes-D Fusion 24 2 p	H-B Fusion 32 1 p

GENERATORS

Photo-Voltaic 12 2 e	Butterfly Farm 33 1 e	Agri-Electric 13 1 e	MHD Converter 20 1 e
Lithium Turbo 14 1 e	Laser Cells 8 1 e	Holo Lens 20 0.5 e	Palmer Aerosol 26 0 e

REFINERIES

Centrifuge 10 3 ⚡	Carbo-Chlorine 12 2 ⚡	Zeta Pinch 14 1 p	Tribo-Electric 11 0.5 ⚡
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RECYCLERS

Hydroponics 10 2 ⚡	Electrophoresis 22 1 ⚡	Maragoni Vacuum 23 2 p	Vacuum Beetles 27 3 ⚡
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MINEHEADS

Plasma Borehole 7 3 ⚡	Nano Excavators 11 3 ⚡	Von Neumann 42 1 ⚡	Laser Evaporator 14 2 ⚡
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FACILITIES

Offworld Factory 15 3 Build (2)/yr	Offworld Nanofab 15 3 Build (2)/yr	Offworld Crèche 15 3 pop growth	Offworld Lab 15 2 Research disk
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TOOLS

Solar Laser 10 3 power assets	Microwave Antenna 14 1 \$\$\$	AI-LOX Booster 13 1 cargo lift	Surface Crawler 9 0.5 ground
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UNIQUE

Offworld Pharmacy 15 3 Dbl Investment	Offworld Resort 18 4 Halves Recruiting Fee	Offworld College 28 4 1d6 bonus, R-disk	See Rulebook Santa Claus Machine 50 4 Build any (2)/yr
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