

Air humidity and saline water are the main storages of water. Compression refrigeration cycles and absorption refrigeration cycles are two wellknown cooling cycles which used in AWG. Thermal power is the input energy of absorption refrigeration cycles which apply to generator and runs the cycle. The input energy of compression refrigeration cycle is electrical power which runs the compressor. Saline water contains a high concentration of salt then cannot be used directly as drinkable or distilled water. Thermal power can be absorbed from sun by high efficiency parabolic collectors.