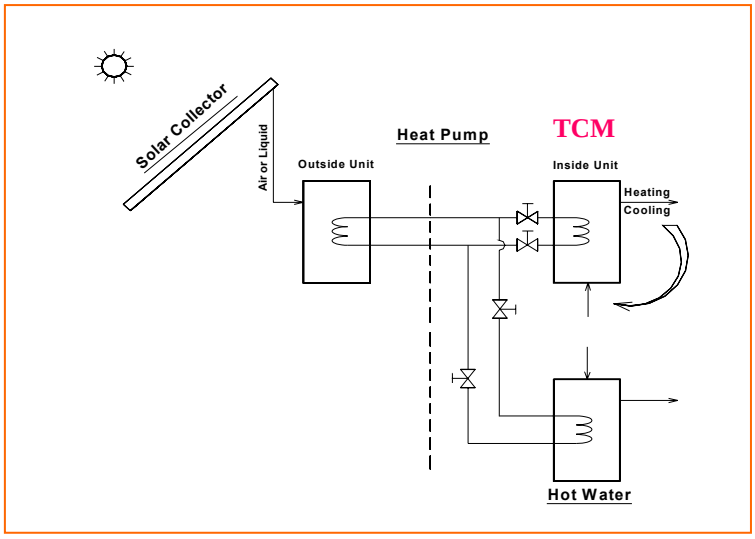
ULTRA HIGH EFFICIENCY

AIR SOURCE HEAT PUMPS

■ **Only TCM can act as heat/cold storage to have ultra high efficiency**



Cooling - Air source heat pump runs at night time to reject heat to outside or to hot water system from TCM; at daytime, heat is absorbed in rooms and stored in TCM to control room temperature.

Heating - Air source heat pump runs at daytime, heat is collected by outside unit (with or without solar collectors) of heat pump; heat is stored in TCM which is released by forced air to heat rooms when required.

■ **Saving cooling/heating energy by more than 90%.**

TCM BOX SOLAR SYSTEM

SOLAR COLLECTORS AND TCM BOX

■ **Installed with solar heat collectors, giving higher energy efficiency**

TCM Box **with solar heat collectors can give higher energy efficiency. Solar heat energy at daytime collected by a normal solar hot water system is stored in a *TCM Box*. The stored heat will be used at night time to heat the rooms.**

■ **Saving heating/cooling energy up to 90% when Natural TCM Energy Saver installed in walls integrated with solar heat collectors and *TCM Box*.**

NATURAL TCM ENERGY SAVER™