NOTES TO GO THROUGH BEFORE STARTING THE UNIT

X1M : Main terminal
X2M : Field wiring terminal for high voltage
X3M : Field wiring terminal for low voltage

— - — - : Earth wiring
- - - - - - - - - - : Field supply


: Option


: Wiring depending on model


: Not mounted in switchbox


: PCB

—**/12.2 : Connection ** continues on page 12 column 2


: Several wiring possibilities

User installed:

- ☐ Bottom plate heater
- ☐ Back up heater
- ☐ Domestic hot water tank
- ☐ Domestic hot water tank with solar connection
- ☐ Room thermostat (Wired)
- ☐ Room thermostat (Wireless)
- ☐ External temperature sensor
- ☐ Remote user interface
- ☐ Digital I/O PCB
- ☐ Demand PCB
- ☐ Solar pump and control station

Legend

* : included in option kit
\# : field supplied

A1P		: Main PCB
A2P		: User interface PCB
A3P		: control PCB
A4P		: Inverter control PCB
A5P		: Inverter PCB
A6P		: Filter PCB
A7P	*	: Digital I/O PCB
A8P	*	: Demand PCB
A9P	*	: Solar pump station PCB
A10P	*	: Thermostat PCB
A11P	*	: Receiver PCB
B1PH		: High pressure sensor
B1PL		: Low pressure sensor
BS1-BS4 (A4P)		: Push button
BSK	*	: Solar pumpstation relay
C1-C2		: Filter capacitor
C1-C2 (A5P)		: PCB Capacitor
DS1 (A*P)		: Dipswitch
E7H	*	: Bottom plate heater
F1-F2		: Inline fuse
F1U (A1P,A3P)		: Fuse (T, 3.15A, 250V)
F1U-F2U (A4P)		: Fuse (3.15A, 500V)
F3U-F5U (A4P)		: Fuse (6.3A, 250V)
F1U-F2U (A7P)	*	: Fuse (5A, 250V)
H1P -H7P (A4P)		: PCB LED
HAP (A*P)		: PCB LED
K1A		: Interface relay
K1E		: Electronic expansion valve
K2E		: Electronic expansion valve
K1M - K2M		: PCB Contactor
K*R (A*P)		: PCB Relay
K1S	*	: 3 way valve
M1C		: Compressors
M1F		: Switchbox cooling fan
M1P		: DC inverter pump
PC (A11P)	*	: Power circuit
PHC1		: Optocoupler input circuit
PS (A*P)		: Switching power supply
Q1DI-Q2DI	#	: Earth leakage circuit breaker
Q2L		: Thermal protector water piping
R1 (A5P)		: Resistance
R1L		: Reactor
R1H (A10P)	*	: Humidity sensor
R1T (A10P)	*	: Ambient sensor
R2T	*	: Domestic hot water thermistor
R2T	*	: External sensor (floor or ambient)
R3T		: Liquid thermistor R410a
R4T		: Returning water thermistor
R5T		: Leaving water thermistor
R6T		: Discharge thermistor
R7T		: Liquid thermistor R134a
R8T		: Fin thermistor
RC (A*P)		: Receiver circuit
S1PH		: High pressure switch
S1S	#	: benefit kWh rate power supply contact
S3S	#	: Input multiple setpoint 1
S4S	#	: Input multiple setpoint 2
SS1 (A1P)		: Selector switch (Emergency)
SS1 (A2P)		: Selector switch (master slave)
SS1 (A7P)	*	: Selector switch
TC (A*P)		: Transmitter circuit
T1R-T2R (A*P)		: Diode bridge
V1C-V12C		: Ferrite core noise filter
X1M-X3M		: Terminal strip
X*M (A*P)	*	: PCB terminal strip
X5Y		: Connector
Y1R		: 4 way valve
Z1F-Z5F (A*P)		: Noise filter