

1. Overview of compatibility between CTA heat pumps and Solar Manager Gateway

Excerpt from the heat pump range for Optiheat brine/water and water/water versions.

Excerpt from the heat pump range for Aeroheat air/water indoor installation and air/water outdoor installation versions.

For older devices or those not listed, the options should be clarified in advance.
Integration may incur additional costs, such as replacing a controller.

1.1 General Information and Tipps



Note:

To achieve the highest possible level of self-consumption, Solar Manager recommends controlling the heat pump bidirectionally.



Note:

Solar Manager recommends not shortening the switch-on and switch-off delay times. All other settings must be adjusted according to the specifications of the CTA AG heat pump.



Tipp 1:

For higher hot water temperatures, we recommend installing an **Askoheat+** or another device from our list of “Supported devices – Solar Manager.” This allows additional excess energy to be stored in the hot water tank, reducing the load on the heat pump and increasing its service life.



Tipp 2:

If it is too warm or too cold, the upper temperature limit can be adjusted by 1°C at a time. Leave it at this setting for one to two days and see if it is suitable.



Tipp 3:

It is always advisable to discuss temperatures with your heating system service technician to ensure that no values outside the operating range are set.

1.2 Brine/water Optiheat – heat pumps

device name	Typ	regulator	Modbus TCP	Modbus TCP Modbus RTU	instructions
			Solar Manager Flux	Solar Manager Connect 2	
					
OH 1-5es	All-In-One	Optiplus		X	instructions
OH 1-6es	All-In-One	Optiplus		X	instructions
OH 1-8es	All-In-One	Optiplus		X	instructions
OH 1-11es	All-In-One	Optiplus		X	instructions
OH 1-14es	All-In-One	Optiplus		X	instructions
OH 1-18es	All-In-One	Optiplus		X	instructions
OH 1-22e	Eco	Optiplus		X	instructions
OH 1-25e	Eco	Optiplus		X	instructions
OH 1-29e	Eco	Optiplus		X	instructions
OH 1-33e	Eco	Optiplus		X	instructions
OH 22e	Duo HT	Optiplus		X	instructions
OH 28e	Duo HT	Optiplus		X	instructions
OH 34e	Duo HT	Optiplus		X	instructions
OH 1-44e	Duo	Optiplus		X	instructions
OH 1-50e	Duo	Optiplus		X	instructions
OH 1-58e	Duo	Optiplus		X	instructions
OH 1-65e	Duo	Optiplus		X	instructions
OH 1-72e	Duo	Optiplus		X	instructions
OH 1-85e	Duo	Optiplus		X	instructions
OHI 4esr TWW *	Inverter	Optiplus 3	X	X	instructions
OHI 9e *	Inverter	Optiplus 3	X	X	instructions
OHI 9ec *	Inverter	Optiplus 3	X	X	instructions
OHI 17e *	Inverter	Optiplus 3	X	X	instructions

* Software or controller – update required
 The latest software must always be used for Optiheat Inverta heat pumps.

1.3 Water/water Optiheat – heat pumps

device name	Typ	regulator	Modbus TCP	Modbus TCP Modbus RTU	instructions
			Solar Manager Flux	Solar Manager Connect 2	
					
OH 1-5es	All-In-One	Optiplus		X	instructions
OH 1-6es	All-In-One	Optiplus		X	instructions
OH 1-8es	All-In-One	Optiplus		X	instructions
OH 1-11es	All-In-One	Optiplus		X	instructions
OH 1-14es	All-In-One	Optiplus		X	instructions
OH 1-18es	All-In-One	Optiplus		X	instructions
OH 1-22e	Eco	Optiplus		X	instructions
OH 1-25e	Eco	Optiplus		X	instructions
OH 1-29e	Eco	Optiplus		X	instructions
OH 1-33e	Eco	Optiplus		X	instructions
OH 22e	Duo HT	Optiplus		X	instructions
OH 28e	Duo HT	Optiplus		X	instructions
OH 34e	Duo HT	Optiplus		X	instructions
OH 1-44e	Duo	Optiplus		X	instructions
OH 1-50e	Duo	Optiplus		X	instructions
OH 1-58e	Duo	Optiplus		X	instructions
OH 1-65e	Duo	Optiplus		X	instructions
OH 1-72e	Duo	Optiplus		X	instructions
OH 1-85e	Duo	Optiplus		X	instructions
OHI 4esr TWW *	Inverter	Optiplus 3	X	X	instructions
OHI 9e *	Inverter	Optiplus 3	X	X	instructions
OHI 9ec *	Inverter	Optiplus 3	X	X	instructions
OHI 17e *	Inverter	Optiplus 3	X	X	instructions

* Software or controller – update required
 The latest software must always be used for Optiheat Inverta heat pumps.

1.4 Air/water Aeroheat – heat pumps for indoor installation

device name	Typ	regulator	Modbus TCP	Modbus TCP Modbus RTU	instructions
			Solar Manager Flux	Solar Manager Connect 2	
					
AH CI 8is	All-In-One	Aeroplus 2.1	X	X	instructions
AH CI 12is	All-In-One	Aeroplus 2.1	X	X	instructions
AH CI 8i	Inverter	Aeroplus 2.1	X	X	instructions
AH CI 12i	Inverter	Aeroplus 2.1	X	X	instructions
AH CI 1-16i / i-L	Inverter	Aeroplus 2.1	X	X	instructions
AH CS 1-14i / i-L	single-stage	Aeroplus 2.0	X	X	instructions
AH CS 1-18i / i-L	two-stage	Aeroplus 2.0	X	X	instructions
AH CS 1-25i / i-L	two-stage	Aeroplus 2.0	X	X	instructions
AH CS 30i / i-L	two-stage	Aeroplus 2.0	X	X	instructions
AH CS 6is-BWW-D *	All-In-One	Aeroplus 2.0	X	X	instructions
AH CS 8is-BWW-D *	All-In-One	Aeroplus 2.0	X	X	instructions
AH CS 10is-BWW *	All-In-One	Aeroplus 2.0	X	X	instructions
AH CS 12is-BWW *	All-In-One	Aeroplus 2.0	X	X	instructions
AH CS 1-10i / i-L *	single-stage	Aeroplus 2.0	X	X	instructions
AH CS 1-12i / i-L *	single-stage	Aeroplus 2.0	X	X	instructions
AH CB 1-10i / i-L *	single-stage	Aeroplus 2.0	X	X	instructions
AH CB 1-18i / i-L *	two-stage	Aeroplus 2.0	X	X	instructions
AH CS 1-31i / i-L *	two-stage	Aeroplus 2.0	X	X	instructions

* Software or controller – update required
 The latest software must always be used for Aeroheat heat pumps.

1.5 Air/water Aeroheat – heat pumps Outdoor installation

device name	Typ	regulator	Modbus TCP	Modbus TCP Modbus RTU	instructions
			Solar Manager Flux	Solar Manager Connect 2	
					
AH CI 8a	Inverter	Aeroplus 2.1	X	X	instructions
AH CI 12a	Inverter	Aeroplus 2.1	X	X	instructions
AH CI 1-16a	Inverter	Aeroplus 2.1	X	X	instructions
AH CS 1-14a	single-stage	Aeroplus 2.0	X	X	instructions
AH CS 1-18a	two-stage	Aeroplus 2.0	X	X	instructions
AH CS 1-25a	two-stage	Aeroplus 2.0	X	X	instructions
AH CS 30a	two-stage	Aeroplus 2.0	X	X	instructions
AH CN 5a	single-stage	Aeroplus 2.0	X	X	instructions
AH CN 7a	single-stage	Aeroplus 2.0	X	X	instructions
AH CN 9a	single-stage	Aeroplus 2.0	X	X	instructions
AH CNI 9a	Inverter	Aeroplus 2.1	X	X	instructions
AH CL 5a	Inverter	Aeroplus 2.1	X	X	instructions
AH CL 8a	Inverter	Aeroplus 2.1	X	X	instructions
AH CL 11a	Inverter	Aeroplus 2.1	X	X	instructions
AH CL 16a	Inverter	Aeroplus 2.1	X	X	instructions
AH CM 18a	Inverter	AH CM WR	X	X	instructions
AH CS 1-07a *	single-stage	Aeroplus 2.0	X	X	instructions
AH CS 1-08a *	single-stage	Aeroplus 2.0	X	X	instructions
AH CS 1-10a *	single-stage	Aeroplus 2.0	X	X	instructions
AH CS 1-12a *	single-stage	Aeroplus 2.0	X	X	instructions
AH CB 1-10a *	single-stage	Aeroplus 2.0	X	X	instructions
AH CB 1-18a *	two-stage	Aeroplus 2.0	X	X	instructions
AH CS 1-31a *	two-stage	Aeroplus 2.0	X	X	instructions
AP CP 45a	two-stage	Aeroplus 2.1	X	X	instructions
AH SCI	Inverter	Optiplus 3	X	X	instructions

* Software or controller – update required
The latest software must always be used for Aeroheat heat pumps.