

A white, rectangular INHE heat pump unit. The front panel features the INHE logo at the top center, which consists of a stylized blue 'C' with a sun-like symbol inside. Below the logo is a black rectangular control panel. This panel contains a small, square, yellowish-green LCD display. Above the display are three small circular indicator lights: a green one on the left, a yellow one in the middle, and a red one on the right. Below the display are three buttons: a button labeled 'EHC' on the left, a central button with an upward-pointing arrow, and a button with a rightward-pointing arrow on the right. The unit is mounted on a base with several black feet.

- LED display, touch button design, direct data view
- Maximum efficiency 98.2%, dual MPPT, more power generation
- Photovoltaic input up to 1100V
- 14A string current, suitable for high current high efficiency module applications
- 150% DC over configuration, 110% AC overload output
- Intelligent fan cooling
- Highly protective design of the shell, resistant to heat and corrosion, 25 years without rusting
- Intelligent remote monitoring
- Support anti-backflow function

Technical Data	SI-3K-T2	SI-4K-T2	SI-5K-T2	SI-6K-T2	SI-8K-T2	SI-10K-T2	SI-12K-T2
Input Data							
Max. PV access power	6000W	8000W	10000W	12000W	16000W	20000W	24000W
Max. PV input power	3900W	5200W	6500W	7800W	10400W	13000W	15600W
Max. PV input voltage	1100V						
Operation voltage range	200V-1000V						
Number of independent MPPT/ strings per MPPT	2/1						
MPPT max. Current	20A/20A						
AC Output Data							
Rated output power	3000W	4000W	5000W	6000W	8000W	10000W	12000W
Max. output power	3300W	4400W	5500W	6600W	8800W	11000W	13200W
Rated output voltage	400V/320V-480V						
Rated output frequency	50Hz/60Hz						
Rated output current	4.3A	5.7A	7.2A	8.7A	11.6A	14.5A	17.5A
Max. output current	4.8A	6.5A	8A	10A	13A	16A	19A
Power factor	-0.8~+0.8(adjustable)						
THDi	<3%(Nominal Output)						
Grid system pattern	3W+N+PE						
Efficiency							
Max. efficiency	98.2%						
Europe efficiency	98%						
Protection							
Input DC switch	Yes						
Input over current protection	Yes						
DC reverse polarity protection	Yes						
Output over voltage protection	Yes						
Output over current protection	Yes						
Anti islanding protection	Yes						
AC surge protection	Yes						
DC surge protection	Yes						
Insulation impedance protection	Yes						
RCD detection	Yes						
General Data							
Dimensions (L/W/H) in mm	403/192/360						
Weight	15kg						
Noise	<30dB						
Operation temperature range	-25°C~+60°C						
Heat dissipation mode	Natural						
IP Class	IP65						
Maximum altitude	4000m						
Self-Consumption night	<1w						
Topology	Transformerless						
Features							
LCD display	Yes						
Communication interface	WIFI/4G/GPRS/RS485(optional)						
Warranty	5 years (standard)						
Standards	IS 16221, IEC 62109, IS 16169, IEC 62116, IEC 61683, IEC 61727, IEC 60068, IEC 61000, EN 50549, NB/T32004						