

- Zero (0ms) transfer time to protect mission-critical loads such as servers and ATMs
- High PV input voltage range
- Removable LCD control module with multiple communications
- Selectable high power charging current
- Built-in Wi-Fi for mobile monitoring (App is available)
- Selectable input voltage range for home appliances and personal computers
- Configurable AC/Solar input priority via LCD setting
- Reserved communication port for BMS (RS485 or CAN-BUS)
- Parallel operation up to 9 units



Specifications

MODEL	IC2-ZT5000-48	IC2-ZT6000-48
CAPACITY	5000VA/5000W	6000VA/6000W
PARALLEL CAPABILITY	Yes, 9 units	
GRID INPUT		
Voltage	230 VAC	
Voltage Range	110-280 VAC	
Frequency Range	50 Hz/60 Hz (Auto sensing) \pm 4Hz	
Power Factor	\geq 0.98 @ Nominal Voltage (100% Load)	
THDi	\leq 10%	
LOAD OUTPUT		
AC Voltage Regulation (Line&Batt. Mode)	230VAC \pm 5%	
Frequency Range (Synchronized Range)	46~54 Hz or 56~64 Hz	
Frequency Range (Batt. Mode)	50 Hz \pm 0.1 Hz or 60Hz \pm 0.1 Hz	
Harmonic Distortion	\leq 3 % THD (Linear Load); \leq 5 % THD (Non-linear Load)	
Transfer Time (AC Mode to Batt. Mode)	0ms	
Transfer Time (Inverter to Bypass)	4 ms (Typical)	
Waveform	Pure sine wave	
EFFICIENCY		
Line Mode	94%	
ECO Mode	98%	
Battery Mode	92%	
BATTERY		
Battery Voltage	40~62 VDC	
Floating Charge Voltage	54 VDC	
Overcharge Protection	62 VDC	
SOLAR INPUT		
Solar Charger type	MPPT	
Maximum PV Array Power	6000 W	
MPPT Range @ Operating Voltage	120 ~ 430 VDC	
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum Solar Charge Current	100A	120A
Maximum AC Charge Current	100A	120A
PHYSICAL		
Dimension, D X W X H (mm)	135.5 x 300 x 500	
Net Weight (kgs)	15.0	
Communication Interface	RS232, USB, DRY CONTACT, WI-FI, RS485, CAN	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	

* Product specifications are subject to change without further notice