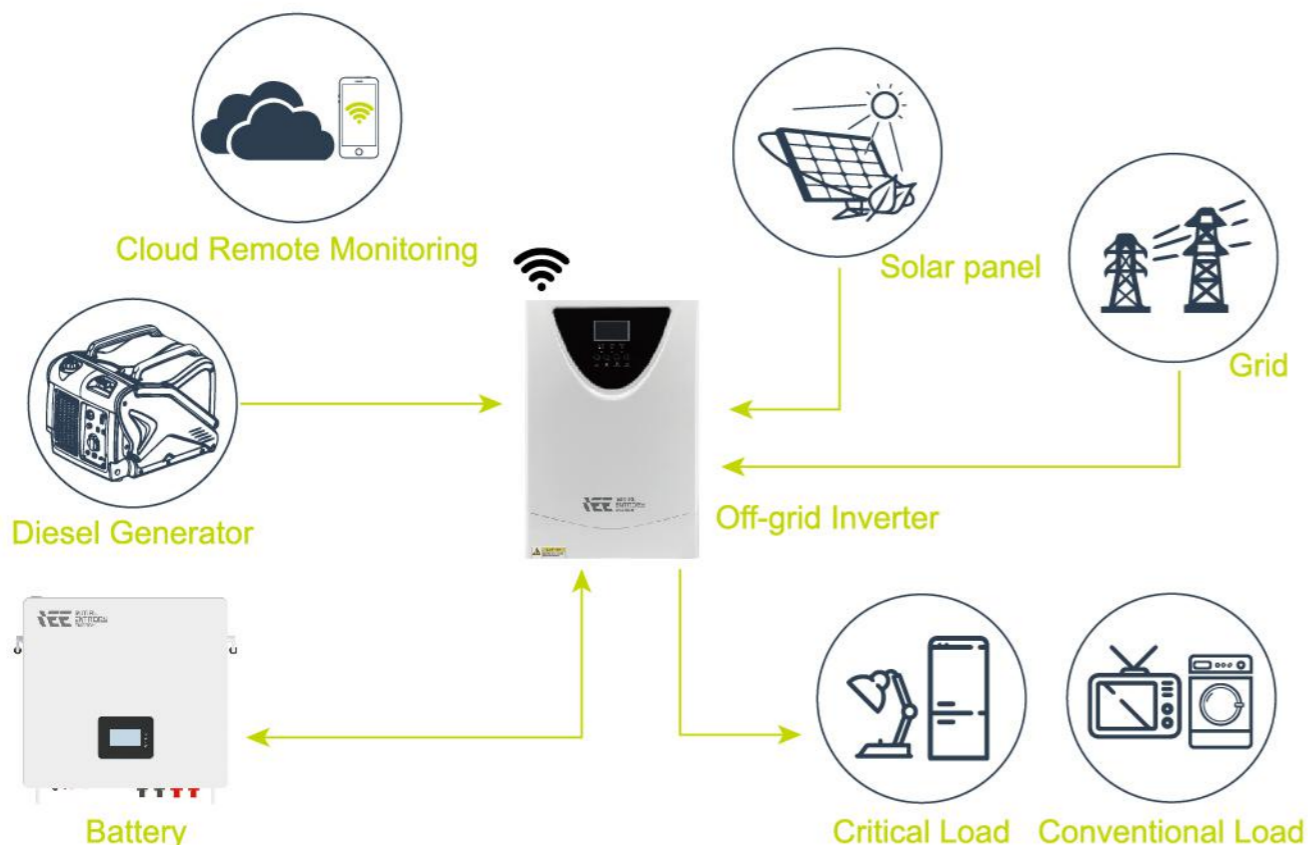


RESIDENTIAL OFF-GRID STORAGE SYSTEM



● Off-grid Inverter

● Trio Series

● Trio5000P / Trio3000 / Trio5000

FEATURE

- Max. PV input with high power MPPT inbuilt.
- High efficiency pure sine wave inverter(PF=0.8~1).
- Field serviceable with replacement boards and spare parts.
- Surges to 2X continuous power for 5 seconds for motor loads.
- Monitor, troubleshoot, or communication with USB/RS232/WIFI.
- Max parallel connection up to 9 units to set as 45KVA system.
- Intelligent functionality enables utility and solar input prioritization.
- Wide utility input range (90Vac-280Vac) for unreliable grid even in the most challenging environments.



Bottom View

Model	Trio3000	Trio5000	Trio5000P
Input			
Nominal Voltage	230 Vac		
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)		
Frequency Range	50 Hz/60 Hz (Auto sensing)		
Output			
Nominal Voltage	220/230/240 VAC ± 5% 50/60Hz setable		
RATED POWER	3000VA/3000W	5000VA/5000W	5000VA/4000W
Surge Power	6000VA	10000VA	10000VA
Efficiency (Peak)	90%~93%		
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)		
Waveform	Pure sine wave		
Parallel able	Not available		Up to 9 inverters
Battery			
Battery Voltage	24Vdc	48 Vdc	48 Vdc
Floating Charge Voltage	27Vdc	54 Vdc	54 Vdc
Overcharge Protection	32Vdc	63 Vdc	63 Vdc
Solar and AC Charger			
Max. PV Array Open Circuit Voltage	500Vdc	500Vdc	145Vdc
Max. PV Array Power	4000 W	4000 W	5000W
Nominal PV Voltage	240 V	240 V	100 V
PV start up voltage	150Vdc +/- 10Vdc	150Vdc +/- 10Vdc	80Vdc +/- 10Vdc
MPPT Voltage Range	120-450Vdc	120-450Vdc	60-115Vdc
Solar input current	15A	18A	50A
Max. Solar Charge Current	80 A	80 A	80A
Max. AC Charge Current	60 A	60 A	60A
Max. Charge Current	80 A	80 A	80A
General Data			
Dimension, D x W x H (mm)	130x300x450 Package Size 210x390x590		
Net Weight (kgs)	9 GW:11	10 GW:12	11 GW:13
Communication Interface	USB/RS232		
Environment			
Humidity	5% to 95% RH (Non-condensing)		
Operating Temperature	-10° C to 50° C		
Storage Temperature	-15° C to 60° C		