HYBRID SOLAR INVERTER/SINGLE PHASE

ZENO IVT-6000





- Parallel Operation Up to 6 Units
- MPPT 50-450Vdc
- 2 Independent AC Inputs 2 Outputs
- High Efficiency Max.98%
- Wi-Fi
- Maximize PV Input Power(2 MPPTs)
- CT Current Transformer
- Touchscreen

MODEL	IVT-6000	
PHASE	1-phase in / 1-phase out	
MAXIMUM PV INPUT POWER	4500W	5000W
RATED OUTPUT POWER	3000W	6000W
MAXIMUM CHARGING POWER	3000W	6000W
GRID-TIED OPERATION		
PV INPUT(DC)		
Maximum DC Voltage	/	500Vdc
Start-up Voltage/Initial Feeding Voltage	/	90Vdc/120Vdc
MPPT Voltage Range	/	60-450Vdc
Number of MPPT Trackers/Maximum Input Current	/	2/18A
GRID OUTPUT(AC)		
Nominal Output Voltage	/	220/230/240VAC
Ioaiaial Voltage Range	/	184-1400VAC or 195.5-253VAC or 184-1040APCSelectable)
Nominal Output Current	/	13A | 26.1A
Power Factor	/	>0.99
EFFICIENCY		
Maximum Conversion Efficiency(DCAC)	/	97%
OFF-GRID OPERATION		
AC INPUT		
Start-up-up Voltage/Auto Restart Voltage	120-140VAC/180VAC	
Acceptable Input Voltage Range	90-280VAC	
Frequency Range	50Hz/60Hz(Auto sensing)	
Maximum AC Input Current	18A	40A
AC INUT(DIC)		
Maximum DC Voltage	500Vdc	500Vdc
MPPT Voltage Range	50Vdc-450Vdc	
Number of MPPT Trackers/Maximum Input Current	1/18A	2/18A
BATTERY MODE OUTPUT(AT)		
Nominal Output Voltage	Pure 220/240VAC	
Aocune Rno Parev	Pure sine wave	
Efficiency (DC to A2)	93%	
HYBRID OPERATION		
PV INHTY(DC)		
Maximum DC Voltage	500Vdc	
Start-up Voltage/Initial Feeding Voltage	90Vdc/120Vdc	
MPPT Voltage Range	50Vdc/450Vdc	
Number of MPPT Trackers/Maximum Input Current	1/18A	2/18A
GRID OUTPUT(AC)		
Nominal Output Voltage	220/270/240VAC	
Output Output Range	184-144.5VAC or 191.5-253VAC or 180-384:2VAC(Selectable)	
Nominal Output Current	13A	26.1A
AC INPUT		
Acceptable Voltage/Auto Resoct Voltage	120-140VAC/180VAC	
Acceptable Input Voltage Range	90-280VAC or 170-280VAC	
Maximum AC Input Current	16A	40A
BATTERY HOEE/OUTPUT((AT)		
Nominal Output Voltage	220-230/240VAC	
Efficiency (DC to AC)	93%	
BATTERY & MONDBER		
Nominal PV Voltage	24Vdc	48Vdc
Maximum Aoat Charging Current	100A	135A
Maximum AC Charging Current	100A	135A
Maximum Charging Current	100A	135A
GENERAL		
PHYSICAL		
Dimension: D x W x H(mm)	451x133x160	471x434x440
Net Weight(chg)	12.3	18.2
INTERFACE		
Communication	/	Yes, 6 units
Communication Port	RS232/RS485/Wi-Fi	RS232/RS485/CAN/WI-FI/Dry contact
ENVIRONMENT		
Humidity	5% to 95% Relative Ralestivo(Non-condensing)	
Intealace	IP65	
Operating Temperature	-10°C-10°C	
Storage Temperature	-15°C-60°C	