



## CHERRY LEOPARD SERIES

- ▶ **HYBRID SOLAR INVERTER WITH TOUCH BUTTON AND HIGH FREQUENCY**

### MAIN FEATURES

- > Pure sine wave MPPT solar inverter.
- > 100A MPPT solar charge controller built-in.
- > Touch button on the LCD display.
- > Output Power factor is 1.0.
- > It work with or without battery.
- > WIFI Function Optional
- > High PV input voltage range (120-500VDC)
- > Smart battery charger and management for optimized battery performance.
- > Cold start function.
- > Auto restart while is AC is recovering.



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## HYBRID SOLAR INVERTER WITH TOUCH BUTTON AND HIGH FREQUENCY

TECHNICAL PARAMETER		
Model	<b>CHERRY LE-3.5K</b>	<b>CHERRY LE-5.5K</b>
The rated power	3500VA/3500W	5500VA/5500W
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	170-280VAC(UPS), 90-280VAC(Appliances)	
Frequency Range	50Hz/60Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Model)	230VAC $\pm$ 5%	
Surge Power	7000VA	11000VA
Efficiency(Peak)	>90%	
Transfer Time	10MS(UPS),20MS(Appliances)	
Wave form	Pure sine wave	
No load current	1.0A	1.1A
BATTERY		
Battery voltage	24VDC	48VDC
Low battery alarming voltage	22.0VDC	44.0VDC
Low battery cut off protection voltage	21VDC	42VDC
Low battery recovery voltage	23.0VDC	46.0VDC
Floating Charge Voltage	27VDC	54VDC
Overcharge Protection	32VDC	64VDC
MPPT SOLAR CHARGER & AC CHARGER		
Maximum PV Array Power	5000W	6000W
MPPT Range at Operation Vol.	120-450VDC	
Maximum PV Array Open Circuit Vol.	500VDC	
Number of MPPT trackers / Max output current	100A	
Maximum AC Charge Current	60A	
Maximum Charge Current	100A	
Maximum Efficiency	98%	
BEST PANEL CONFIGURATION		
Best Panel configuration	300Wp*9pcs*36V(2700Wp)*2Parallel	330Wp*9pcs*36V(2970Wp)*2Parallel
PHYSICAL		
Products Dimension, D*W*H(mm)	481mm*313mm*117mm	481mm*313mm*117mm
Packing size, D*W*H(mm)	543mm*394mm*204mm	543mm*394mm*204mm
Net Weight (kgs)	9.8KG	10.5KG
G.W. kg	11KG	11.7KG
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operation Temperature	0°C-50°C	