

# Three Phase String Inverter 100/110kW

Cherry-100/110K-T4002C-E



PRODUCT  
APPEARANCE



FUNCTIONAL  
CHARACTERISTICS

## Product Features

- Max efficiency 98.7%, China efficiency 98.2%
- 8-MPPT design for complex scenarios, boosting energy yield
- Supports up to 20 A per string, perfectly matching 210-series modules
- Module-level monitoring
- PID night recovery to improve system generation
- Supports aluminum cable connection to reduce AC wiring cost

## Safe & Reliable

- Intelligent forced-air cooling
- AC/DC Type II surge protection
- Residual current monitoring
- Fanless design
- Input reverse-polarity protection
- IP66 enclosure for strong environmental adaptability
- Built-in DC switch

## TECHNICAL SPECIFICATIONS

Product Model	Cherry-100K-T4002C-E	Cherry-110K-T4002C-E
Power rating	100kW	110kW
<b>Input (DC)</b>		
Max. Input Voltage	1100V	
Start-up DC Input Voltage	195V	
Rated Input Voltage	600V	
MPPT Voltage Range	200-1000V	
Full-Load MPPT Voltage Range	420-800V	
Max. String Input No.	16	16
MPPT No.	8	8
Max. Input Current	40A	40A
Max. DC short-circuit current	50A	50A
<b>Output (AC)</b>		
Rated AC Output Power	100kW	110kW
Max. AC Output Power (Apparent)	110kVA	121kVA
Rated Output Voltage	380V	
Grid Connection Type	3 L / N / PE	
Max Output Current	167.1 A	183.8 A
Rated Output Frequency	50 Hz	
THDi	< 3%	
Power Factor	0.8 leading ... 0.8 lagging	
<b>Efficiency</b>		
Maximum Efficiency	98.70%	
China Efficiency	98.20%	
<b>Environment</b>		
Protection Degree	IP66	
Cooling	Intelligent Fan Cooling	
Operating Temperature Range	-30°C~+60°C	
Operating Humidity	0 - 100 % Non-condensing	
Operating Altitude	4000 m (> 3000 m derating)	
<b>Protection</b>		
Anti-Islanding Protection	Yes	
DC Reverse-Polarity Protection	Yes	
DC Insulation Resistance Dection	Yes	
Residual Current Monitoring	Yes	
AC Output Over Current Protection	Yes	
Smart Disconnect Switch	Yes	
Overvoltage Class	II (DC), III(AC)	
DC / AC SPD	DC SPD Type II / AC SPD Type II (Type I Optional)	
<b>Display and Communication</b>		
Display	LED , APP	
Communication	RS485 / 4G	
<b>General Data</b>		
尺寸 (W / H / D)	972 x 706 x 350 mm	
Weight	75kg	
DC Inputs Type	D4	
AC Outputs Type	OT Terminals	
<b>Certification</b>		
Safety、EMC、Grid connection regulations	NB/T 32004-2018	

● Design and specifications are subject to change without notice.