

# 320kW **String-Type** PV Inverter



## High-Efficiency Power Generation

- Perfectly compatible with 182mm & 210mm series modules
- Max 30 PV input channels, fit for various module connections
- Max efficiency up to 99.01%, significantly boost power generation

## Safe & Reliable

- IP66 full-unit protection grade, C5 anti-corrosion grade
- Standard DC circuit breaker for each MPPT channel, more reliable access
- Intelligent speed-adjustable fans, low temperature rise & long service life
- AC/DC dual-power redundancy design, 24/7 status monitoring

## Intelligent & User-Friendly

- Compliant with IEC 61850 protocol, high real-time performance
- Intelligent string detection & I-V scanning function
- Open data interface, seamless data interconnection, easy access to power plant management system
- Supports energy management, for convenient power dispatching

## Cost Reduction & Efficiency Improvement

- High-bandwidth PLC communication, cut communication cable and construction costs
- Supports aluminum wire connection, save power cable costs
- All-weather SVG function, reduce investment costs
- Powered by EAST Solar Cloud, lower O&M costs

Product Model	EA320KTL5I
<b>Input (DC)</b>	
Max Input Voltage	1500V
MPPT Voltage Range	500~1500V
Rated Input Voltage	1080V
No. of PV Channels	30
No. of MPPT Channels	6 Channels, 70A
MPPT Precision	≥99.9% (Static) , ≥99% (Dynamic)
<b>Output Parameters (AC)</b>	
Rated Output Power	320kW
Max Output Power	352kW
Max Apparent Output Power	352kVA
Output Voltage System	3W+PE
Grid Type	3-Phase IT System
Rated Output Voltage	800V
Output Voltage Range	640~920V (-20%~+15%)
Rated Output Frequency	50 Hz
PF (Power Factor)	>0.99 (Rated Power)
PF Adjustable Range	0.8 (Leading) ~0.8 (Lagging)
Efficiency	Peak Efficiency>99.01%; China Efficiency>98.53%
<b>Protection</b>	
Protection Functions	Output Overvoltage Protection, Output Undervoltage Protection, Anti-Islanding Protection, Output Phase Loss Protection, Grid Phase Sequence Protection, Phase-to-Phase Short-Circuit Protection, LVRT, HVRT, Input Overvoltage Protection, Input Undervoltage Protection, Input Polarity Reverse Protection, Grid Support, PV Terminal Intelligent Temperature-Controlled Protection
<b>General Parameters</b>	
Standby Power Consumption	<10W
Stable Operating Temp. Range	-30~60°C
Altitude	5000m (No derating below 4000m)
Operating Noise (dB)	<80dB
Heat Dissipation Method	Intelligent Air Cooling
Communication Interface	RS485/PLC
Protection Grade (IP)	IP66
Anti-Corrosion Grade	C5
Dimensions (W×H×D)	1100 x 920 x 462mm
Weight	<135 kg
Mounting Method	Wall-mounted Installation
Operating Relative Humidity Range	0~95% (No Condensation)
Compliant Standards	GB/T 37408-2019、GB/T 37409-2019及NB/T32004-2018

## East Energy Storage Technology Co., Ltd.

EAST Group : No.1, 5th Road, Songshan Lake Headquarters, Dongguan City, Guangdong Province

Xi'an R&D Center: No. 70 Jinye Road, High tech Zone, Xi'an City, Shaanxi Province

\*If there are any changes to the product size and parameters, the latest information shall prevail without further notice.



Our WeChat QR code