

**EAST**<sup>®</sup>

# 50-110kW **C&I** PV Inverter



## High-Efficiency Power Generation

- Max efficiency up to 98.8%
- Equipped with multiple MPPTs
- High-precision intelligent string detection



## Intelligent & User-Friendly

- Compatible with high-current modules
- Supports aluminum cable connection
- Mobile APP for real-time inverter monitoring



## Safe & Reliable

- Strong heat dissipation capacity, no derating at 45°C
- Integrated PID recovery function
- AC/DC lightning protection modules for comprehensive surge protection



## Cost-Effective & High-Performance

- Optimized module layout and high DC/AC ratio to reduce LCOE
- Enhanced by EAST Solar Cloud, lowering O&M costs

Product Model	EA50KTLSIW	EA110KTLSIW
<b>Input (DC)</b>		
Max Input Voltage	1000Vdc	
MPPT Voltage Range	200~1000Vdc	
Full-Load MPPT Voltage Range	550~850Vdc	
Max Input Current per MPPT Channel	40A/40A/32A/32A	65A
No. of MPPT Channels	4	4
Max Input Strings per MPPT Channel	2	5
<b>Output Parameters (AC)</b>		
Rated Output Power	50kW	110kW
Max Apparent Power	55kVA	121kVA
Max Output Power	55kW	121kW
Rated Output Voltage	400Vac, 3P+N+PE	
Output Voltage Range	300~520Vac	300~480Vac
Rated Output Frequency	50Hz	50Hz/60Hz
Rated Output Current	72.2A	158.8A
Max Output Current	79.4A	174.7A
PF Adjustable Range	0.8 (Leading) ~0.8 (Lagging)	
Total Current THD	<3%	
Efficiency	Peak Efficiency>98.50%; China Efficiency>98.30%	Peak Efficiency>99.01%; China Efficiency>98.53%
<b>Protection</b>		
Protection Functions	DC Switch, Surge Protection (DC Class 2, AC Class 2), AC Short-Circuit Protection,DCPolarity Reverse Protection, Insulation Impedance Detection, Residual Leakage Current Detection,String Fault Detection, Output Overcurrent Protection, Anti-Islanding Protection, AFCI (Optional)	
<b>General Parameters</b>		
Standby Power Consumption	<1W	<5W
Stable Operating Temp. Range	-25~60°C	
Altitude	4000m (No derating below 3000m)	
Operating Noise (dB)	≤60db	≤70db
Heat Dissipation Method	Intelligent Air Cooling	
Communication Interface	RS485/WiFi/4G	
Protection Grade (IP)	IP66	IP65
DC Terminal Type	MC4 Plug-in Terminals	
Dimensions (W×H×D)	610 x 577.5 x 201.5mm	900 x 690 x 330mm
Weight	≤35kg	≤89kg
Mounting Method	Wall-mounted Installation	
Operating Relative Humidity	0~95% (No Condensation)	
Compliant Standards	NB/T32004-2018	

## East Energy Storage Technology Co., Ltd.

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



Our WeChat QR code