



The **WISE** Choice

EASTMAN WORLD

Welcome to Eastman World - Your Global Partner in Energy Solutions!



SOLAR PV INVERTERS(ON-GRID)

Split Phase

3-6kW

Single Phase

7-10kW

Three Phase

10-60kW

Eastman Introduction

Founded in 2006

Established in 2006, Eastman Auto & Power Limited is a well-known name in the field of solar energy, energy storage, and power electronics, boasting a USD 300 million revenue and a dedicated workforce of over 3,000 professionals. Building on the group's decades-long success and maintaining the trust of our partners, Mr. Jagdish Rai Singal ventured into the future of energy with Eastman Auto & Power Limited. Today, the business spans over 25 countries across Asia and Africa, providing the world with cutting-edge products that have set new benchmarks in their respective segments. Driven by innovation, we continually set industry standards, ensuring uninterrupted power supply for residential, commercial, and industrial applications.

Our global solar distribution business provides reliable and high-quality solar solutions, including solar inverters, solar panels, solar batteries (tubular, carbon, gel and lithium) solar pump inverters, solar charge controllers, and more. Our products offer a range of solutions to help you make the switch to clean energy. With us as your unwavering partners, we forge a sustainable future, amplifying global excellence through transformative products and services.













SOLAR PV INVERTER(ON-GRID) SPLIT PHASE 3 ~ 6 kW(Residential System)



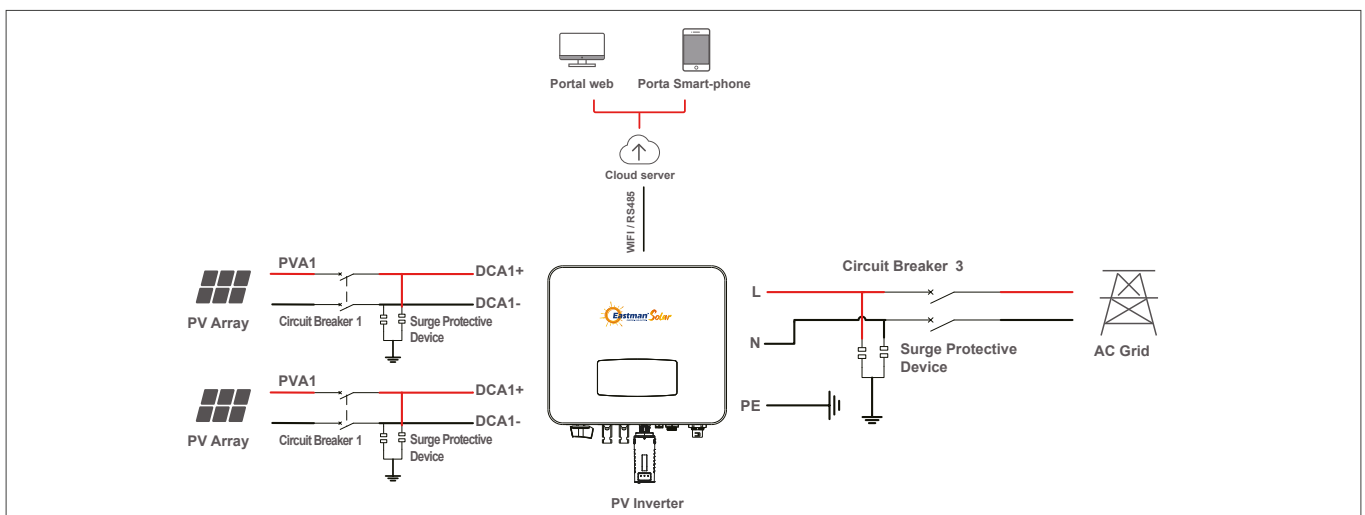
The Eastman On-Grid PV Inverter Split-phase inverters are designed for residential PV system applications, rating from 3kW to 6kW. All models have unibody housings with aluminum structure which is anodized, increasing durability and effectively prevents corrosion. Equipped with external inductors, the unibody housings can ensure efficient heat dissipation, which significantly improves the reliability and extends the life of the inverters.

The inverter menu is activated by sensor touch buttons. Communication implements are via the Wi-Fi module (can be changed to Ethernet / GPRS). Check the system status anytime and anywhere via online portal or APP.

- 
ANTI-FLOW
 Anti-Feed-in Function
- 
PV OVERSIZE
 Max. 1.5 time
 PV Oversize Capacity
- 
PROTECTION
 Multiple intelligent
 Protections
- 
SMART
 Smart IV Curve Scanning
- 
Wi-Fi
 Wi-Fi Standard
 Ethernet/GPRS Optional
- 
CONFIGURATION
 Quick & Easy
 Config. via Wi-Fi
- 
MODBUS
 MODBUS
 Communication Ready

-  MPPT efficiency > 99.9%
-  No fans design
-  Two MPPT Design
-  Quick and easy installation
-  Active and reactive power compensation, adjust power factor
-  High-quality power output and low THDI

System Diagram



SOLAR PV INVERTER(ON-GRID) SPLIT PHASE



Product Specifications

3 ~ 6 kW

MODELS	ESHGS3000L	ESHGS3600L	ESHGS4000L	ESHGS5000L	ESHGS6000L
PV Input Data					
Max. DC Power (W)	4500	5400	6000	7000	8400
Max. DC Voltage (V)	600	600	600	600	600
MPPT Voltage Range (V)	70-550	70-550	70-550	70-550	70-550
MPPT Full Power Voltage Range (V)	110-550	130-550	145-550	180-550	220-550
Rated Input Voltage (V)	360				
Start-up Voltage (V)	70				
Max. Input Current (A)	14 x 2				
Max. Short Current (A)	18 x 2				
No. of MPP Tracker / No. of PV String	2/2				
Input Connector Type	MC4				
AC Output Data					
Max. Output Power (VA)	3300	3960	4400	5500	6600
Nominal Output Power (W)	3000	3600	4000	5000	6000
Max. Output Current (A)	15	17.5	20	24	28.7
Nominal Output Voltage (V)	L/N/PE, 220Vac, 230Vac, 240Vac				
Grid Voltage Range	180Vac-276Vac 240V Split phase, Optional 183-228@ 208V & 211-276@ 245V				
Nominal Output Frequency (Hz)	50/60				
Grid Frequency Range	45-55Hz/54-66Hz (According to local standard)				
Output Power Factor	1 default (adjustable from 0.8 leading to 0.8 lagging)				
Output Current THD	<3%				
Type of AC Connection	Single Phase / Split Phase				
Efficiency					
Max. Efficiency	98.20%	98.20%	98.20%	98.20%	98.20%
Euro Efficiency	97.80%	97.82%	97.85%	97.90%	97.92%
Protection					
PV Reverse Polarity Protection	YES				
PV Insulation Resistance Detection	YES				
AC Short Circuit Protection	YES				
AC Over Current Protection	YES				
AC Over Voltage Protection	YES				
Anti-Islanding Protection	YES				
Residual Current Detection	YES				
Over Temperature Protection	YES				
Integrated DC switch	YES				
Surge Protection	Integrated (Type III)				
Smart IV Curve Scanning	YES				
Quick Arc Fault Circuit Interruption	Included				
General Data					
Dimensions (W x H x D, mm)	358 x 360 x 142				
Weight (kg)	10				
Protection Degree	IP65				
Enclosure Material	Aluminum				
Ambient Temperature Range (°C)	-25 to 60				
Humidity Range	0-100%				
Topology	Transformerless				
Communication Interface	RS485 / WiFi / Wire Ethernet / GPRS (optional)				
Cooling Concept	Convection				
Noise Emission (db)	<28				
Night Power Consumption (W)	<1				
Max. Operation Altitude (m)	4000				
Certifications and Standards					
EMC Standard	EN/IEC 61000-6-2, EN/IEC 61000-6-3, EN61000-3-2, EN61000-3-3, EN61000-3-11, EN61000-3-12				
Safety Standard	IEC 60068, UL1741, EN62109				
Grid-connection	IEEE1547, CSA C22, EN50549, VDE4105, VDE0126, RD1699, ABNT NBR16149 & 16150, AS4777.2, NB/T32004, G98/G99, IEC61727				

Product Specification are subject to change without prior notice

SOLAR PV INVERTER(ON-GRID) SINGLE PHASE 7 ~ 10 kW (Residential System)



The Eastman On-Grid PV Inverter Single-phase inverters are designed for residential PV system applications, rating from 7kW to 10kW. All models have unibody housings with aluminum structure which is anodized, increasing durability and effectively prevents corrosion. Equipped with external inductors, the unibody housings can ensure efficient heat dissipation, which significantly improves the reliability and extends the life of the inverters.

The inverter menu is activated by sensor touch buttons. Communication implements are via the Wi-Fi module (can be changed to Ethernet / GPRS). Check the system status anytime and anywhere via online portal or APP.

- 

ANTI-FLOW
Anti-Feed-in Function
- 

Max. 1.5
PV OVERSIZE
Max. 1.5 time
PV Oversize Capacity
- 







PROTECTION
Multiple intelligent
Protections
- 

SMART
Smart IV Curve Scanning
- 

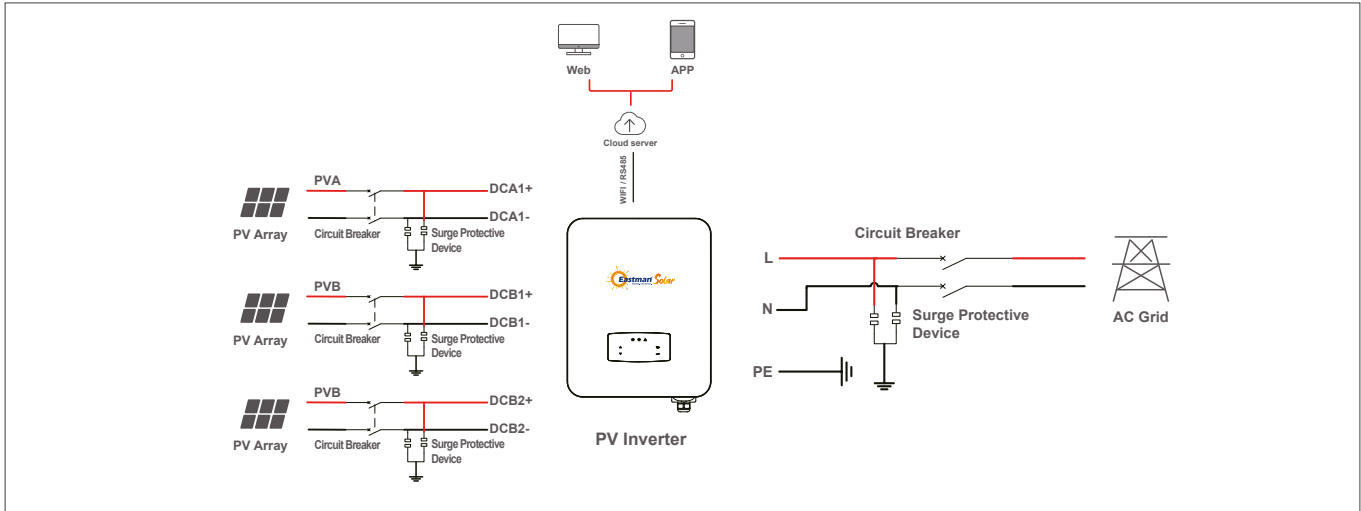
Wi-Fi
Wi-Fi Standard
Ethernet/GPRS Optional
- 

CONFIGURATION
Quick & Easy
Config. via Wi-Fi
- 

MODBUS
MODBUS
Communication Ready

-  MPPT efficiency > 99.9%
 -  Two MPPT Design
 -  Active and reactive power compensation, adjust power factor
-  No fans design
 -  Quick and easy installation
 -  High-quality power output and low THDI

System Diagram



SOLAR PV INVERTER(ON-GRID) SINGLE PHASE



Product Specifications

7 ~ 10 kW

MODELS	ESHGS7000L	ESHGS8000L	ESHGS9000L	ESHGS10000L
PV Input Data				
Max. DC Power (W)	9800	11200	12600	14000
Max. DC Voltage (V)	600			
MPPT Voltage Range (V)	70-550			
MPPT Full Power Voltage Range (V)	220-550			
Rated Input Voltage (V)	360			
Start-up Voltage (V)	70			
Max. Input Current (A)	14+26		26+26	
Max. Short Current (A)	18+35		35+35	
No. of MPP Tracker / No. of PV String	2/3		2/4	
Input Connector Type	MC4			
AC Output Data				
Max. Output Power (VA)	7700	8800	9900	11000
Nominal Output Power (W)	7000	8000	9000	10000
Max. Output Current (A)	33.6	38.3	45	50
Nominal Output Voltage (V)	L/N/PE, 220Vac, 230Vac, 240Vac			
Grid Voltage Range	180Vac-276Vac 240V Split phase, Optional 183-228@ 208V & 211-276@ 245V			
Nominal Output Frequency (Hz)	50/60			
Grid Frequency Range	45-55Hz/54-66Hz (According to local standard)			
Output Power Factor	1 default (adjustable from 0.8 leading to 0.8 lagging)			
Output Current THD	<3%			
Type of AC Connection	Single Phase / Split Phase			
Efficiency				
Max. Efficiency	98.20%	98.20%	98.32%	98.40%
Euro Efficiency	97.95%	98.00%	98.00%	98.10%
Protection				
PV Reverse Polarity Protection	YES			
PV Insulation Resistance Detection	YES			
AC Short Circuit Protection	YES			
AC Over Current Protection	YES			
AC Over Voltage Protection	YES			
Anti-Islanding Protection	YES			
Residual Current Detection	YES			
Over Temperature Protection	YES			
Integrated DC switch	YES			
Surge Protection	Integrated (Type III)			
Smart IV Curve Scanning	YES			
Quick Arc Fault Circuit Interruption	Included			
General Data				
Dimensions (W x H x D, mm)	370 x 510 x 192		370 x 535 x 192	
Weight (kg)	17		18	
Protection Degree	IP65			
Enclosure Material	Aluminum			
Ambient Temperature Range (°C)	-25 to 60			
Humidity Range	0-100%			
Topology	Transformerless			
Communication Interface	RS485 / WiFi / Wire Ethernet / GPRS (optional)			
Cooling Concept	Convection		Intelligent fan cooling	
Noise Emission (db)	<40			
Night Power Consumption (W)	<1			
Max. Operation Altitude (m)	4000			
Certifications and Standards				
EMC Standard	EN/IEC 61000-6-2, EN/IEC 61000-6-3, EN61000-3-2, EN61000-3-3, EN61000-3-11, EN61000-3-12			
Safety Standard	IEC 60068, UL1741, EN62109			
Grid-connection	IEEE1547, CSA C22, EN50549, VDE4105, VDE0126, RD1699, ABNT NBR16149 & 16150, AS4777-2, NB/T32004, G98/G99, IEC61727			

Product Specification are subject to change without prior notice

SOLAR PV INVERTER(ON-GRID) THREE PHASE 220V 10~ 30 kW (Low Voltage Series)

The Eastman Three-phase string inverters Low-voltage Series are designed for commercial and power plant PV system applications, rating from 10kW to 30kW.

All models with aluminum housings which is anodized, increasing durability and effectively prevents corrosion. Equipped with external inductors, ensure efficient heat dissipation, which significantly improves the reliability and extends the life of the inverters.

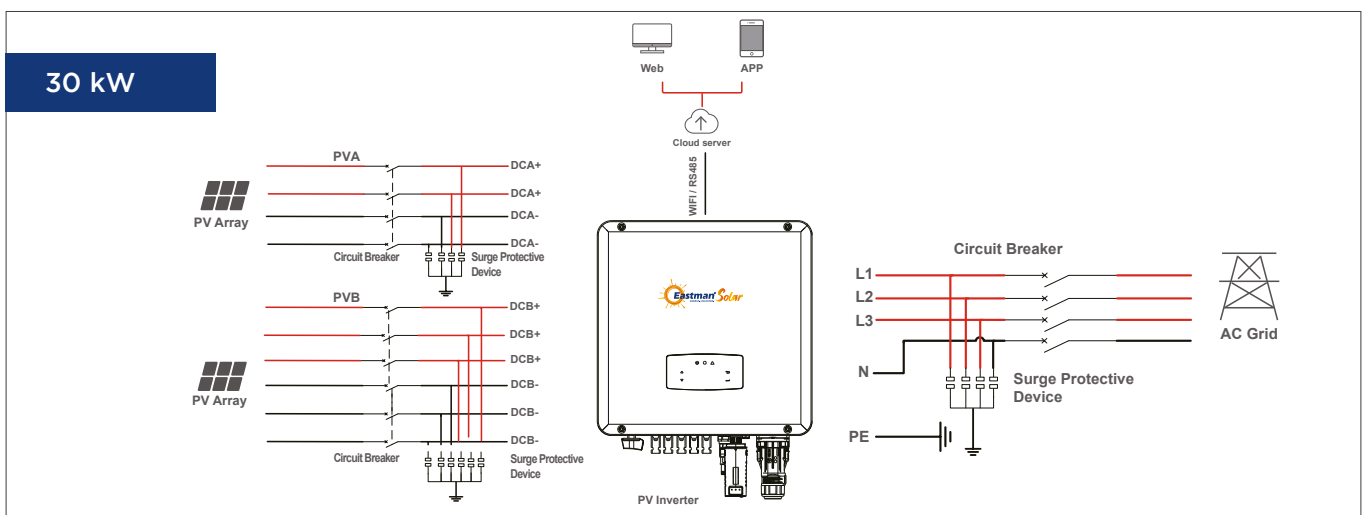
The inverter menu is activated by sensor touch buttons. Communication implements are via the Wi-Fi module (can be changed to Ethernet / GPRS). Check the system status anytime and anywhere via online portal APP.



- MAX. 20A**
 MAX. 20A_{dc}
 String Current Up To 20A
- Max. 1.5**
PV OVERSIZE
 Max. 1.5 time
 PV Oversize Capacity
- PROTECTION**
 Multiple intelligent
 Protections
- ANTI-FLOW**
 Anti-Feed-in Function
- Wi-Fi**
 Wi-Fi Standard
 Ethernet/GPRS Optional
- CONFIGURATION**
 Quick & Easy
 Config. via Wi-Fi
- MODBUS**
 MODBUS
 Communication Ready

- Support zero export function
- MPPT efficiency > 99.9%
- Intelligent Temperature Control System
- Active and reactive power compensation, adjust power factor
- IP 68 Cooling Fan
- Type II DC & AC lightning protection
- AC output 1.1x continuous operation

System Diagram



SOLAR PV INVERTER(ON-GRID) THREE PHASE



Product Specifications

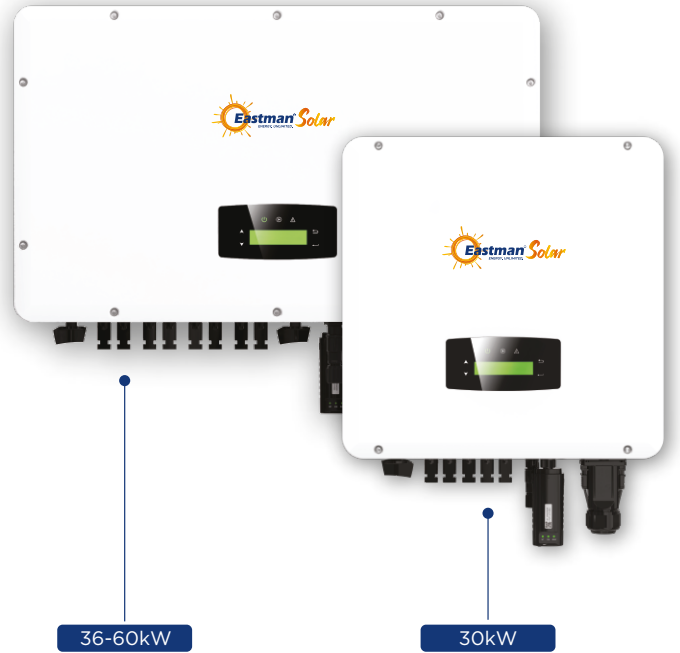
10 ~ 30 kW

Models	ESBGT015KL	ESBGT020KL	ESBGT025KL	ESBGT030KL
PV Input Data				
Max. DC Power (W)	22500	30000	37500	45000
Max. DC Voltage (V)	750			
MPPT Voltage Range (V)	150 - 600	200-700		
MPPT Full Power Voltage Range (V)	330 - 600	320-600	300-600	
Rated Input Voltage (V)	400			
Start-up Voltage (V)	150	200		
Max. Input Current (A)	32 x 2	38 x 3	40 x 3	38 x 4
Max. Short Current (A)	48 x 2	48 x 3	48 x 3	48 x 4
No. of MPP Tracker / No. of PV String	2 / 4	3 / 6	3 / 7	4 / 8
Input Connector Type	MC4			
AC Output Data				
Max. Output Power (VA)	16500	22000	27500	33000
Nominal Output Power (W)	15000	20000	25000	30000
Max. Output Current (A)	40	60	80	96
Nominal Output Voltage (V)	3P+N+PE/3P+PE 133/ 220 or 230			
Grid Voltage Range	127/220V [193-242V]			
Nominal Output Frequency (Hz)	50 / 60			
Grid Frequency Range	45-55 / 55-65Hz (According to local standard)			
Output Power Factor	1 default (adjustable from 0.8 leading to 0.8 lagging)			
Output Current THD	<3%			
Type of AC Connection	3 Phase 220V / 3L+N+PE			
Efficiency				
Max. Efficiency	98.40%			
Euro Efficiency	97.80%	98.10%		
Protection				
PV Reverse Polarity Protection	YES			
PV Insulation Resistance Detection	YES			
AC Short Circuit Protection	YES			
AC Over Current Protection	YES			
AC Over Voltage Protection	YES			
Anti-Islanding Protection	YES			
Residual Current Detection	YES			
Over Temperature Protection	YES			
Integrated DC switch	YES			
Surge Protection	Integrated (Type II)			
Smart IV Curve Scanning	YES			
Quick Arc Fault Circuit Interruption	Included			
General Data				
Dimensions (W x H x D, mm)	370 x 535 x 192	710 x 470 x 236		
Weight (kg)	19	44	51	
Protection Degree	IP65			
Enclosure Material	Aluminum			
Ambient Temperature Range (°C)	-25 - +60			
Humidity Range	0 - 100%			
Topology	Transformerless			
Communication Interface	RS485 / WiFi / Wire Ethernet / GPRS (optional)			
Cooling Concept	Intelligent fan cooling			
Noise Emission (db)	<51	<55		
Night Power Consumption (W)	<1			
Max. Operation Altitude (m)	2000			
Certifications and Standards				
EMC Standard	EN/IEC 61000-6-2, EN/IEC 61000-6-3, EN61000-3-2, EN61000-3-3, EN61000-3-11, EN61000-3-12			
Safety Standard	IEC 60068, UL1741, EN62109			
Grid-connection	IEEE1547, CSA C22, EN50549, VDE4105, VDE0126, RD1699, ABNT NBR16149 & 16150, AS4777.2, NB/T32004, G98/G99, IEC61727			

Product Specification are subject to change without prior notice

SOLAR PV INVERTER(ON-GRID) THREE PHASE 480V 30 ~ 60 kW (Commercial System & Power Plants)

The Eastman 30kW - 60kW Series Three-phase string inverters are designed for commercial and power plant PV system applications, rating from 30kW to 60kW. All models with aluminum housings which is anodized, increasing durability and effectively prevents corrosion. Equipped with external inductors, ensure efficient heat dissipation, which significantly improves the reliability and extends the life of the inverters. The inverter menu is activated by sensor touch buttons. Communication implements are via the Wi-Fi module (can be changed to Ethernet / GPRS). Check the system status anytime and anywhere via online portal or APP.



- Max.
20A

MAX. 20Adc
String Current Up To 20A
- Max.
1.5

PV OVERSIZE
Max. 1.5 time
PV Oversize Capacity
- ⚡

PROTECTION
Multiple intelligent
Protections
- ↔

ANTI-FLOW
Anti-Feed-in Function
- 📶

Wi-Fi
Wi-Fi Standard
Ethernet/GPRS Optional
- 📱

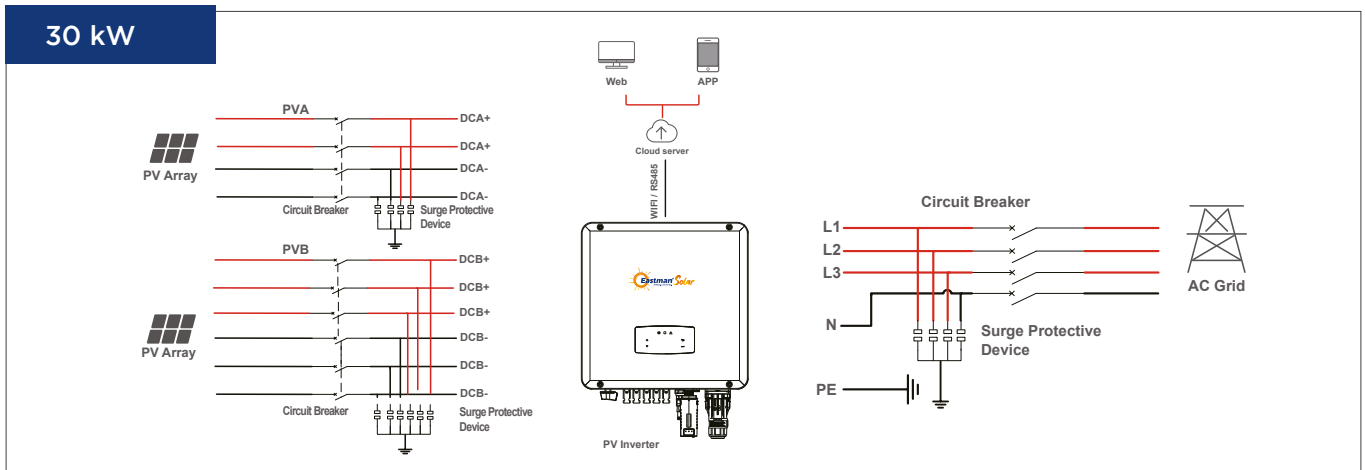
CONFIGURATION
Quick & Easy
Config. via Wi-Fi
- ⚙️

MODBUS
MODBUS
Communication Ready

- 🔌 Support zero export function
- 📈 MPPT efficiency > 99.9%
- 🧠 Intelligent Temperature Control System
- ⚡ Active and reactive power compensation, adjust power factor

- 🌀 IP 68 Cooling Fan
- ⚡ Type II DC & AC lightning protection
- 🕒 AC output 1.1x continuous operation

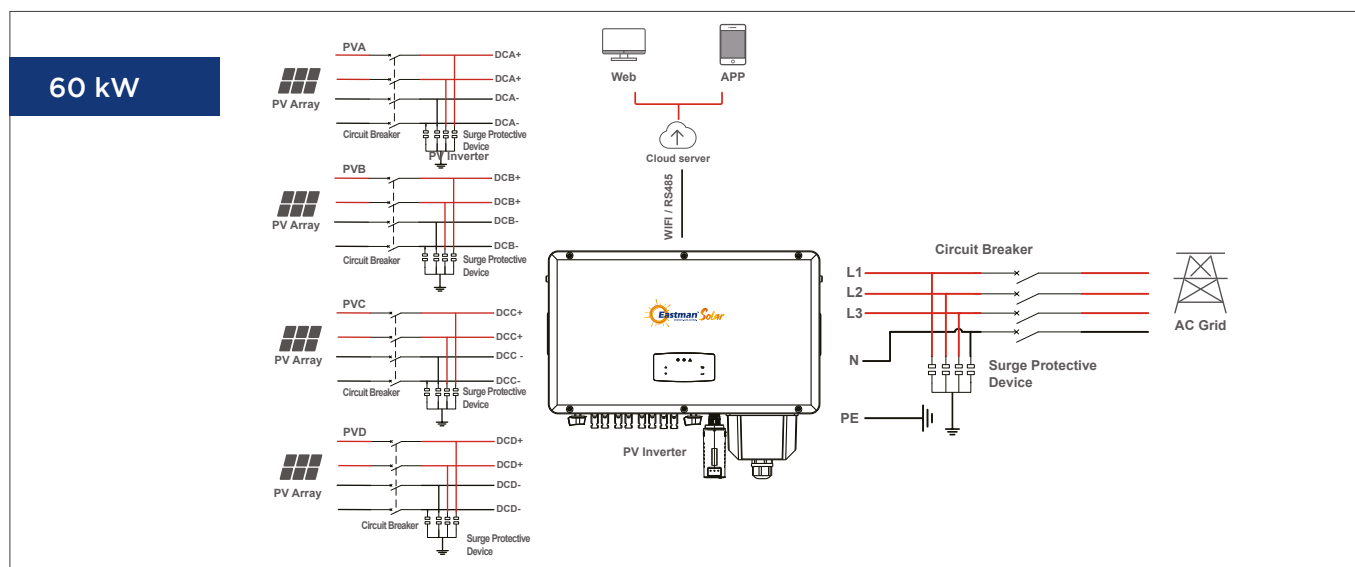
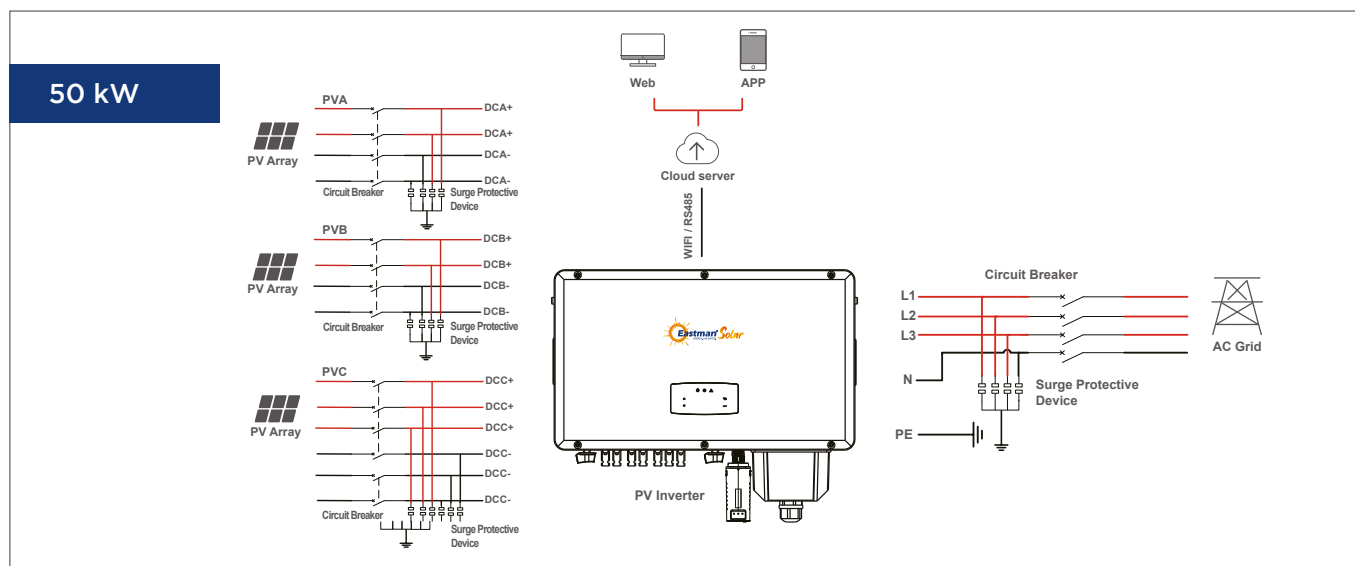
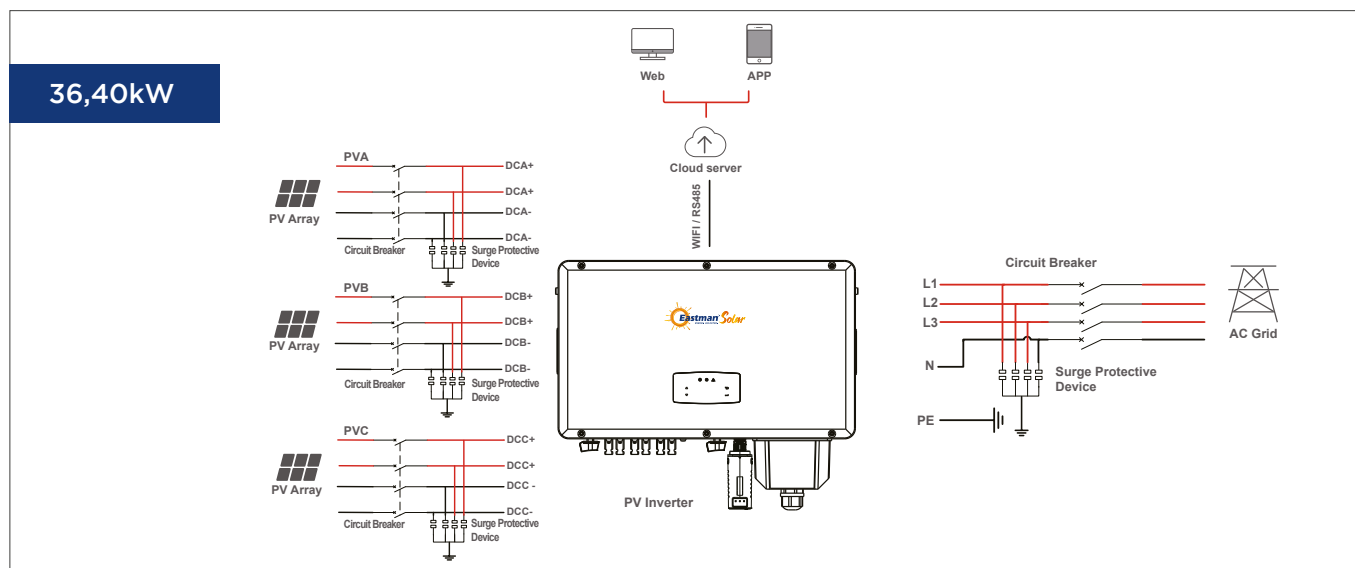
System Diagram



SOLAR PV INVERTER(ON-GRID) THREE PHASE



System Diagram



SOLAR PV INVERTER(ON-GRID) THREE PHASE



Product Specifications

30 ~ 60 kW

Models	ESBGT050KL	ESBGT060KL
PV Input Data		
Max. DC Power (W)	75000	90000
Max. DC Voltage (V)		1100
MPPT Voltage Range (V)		300-1000
MPPT Full Power Voltage Range (V)		540-850
Rated Input Voltage (V)		720
Start-up Voltage (V)		200
Max. Input Current (A)	40x3	38x4
Max. Short Current (A)	48x3	48x4
No. of MPP Tracker / No. of PV String	3/7	4/8
Input Connector Type	MC4	
AC Output Data		
Max. Output Power (VA)	55000	66000
Nominal Output Power (W)	50000	60000
Max. Output Current (A)	66.2	79.4
Nominal Output Voltage (V)	3P+N+PE/3P+PE 277/480	
Grid Voltage Range	340 - 528Vac	
Nominal Output Frequency (Hz)	50/60	
Grid Frequency Range	45-55Hz/55-65Hz (according to local standard)	
Output Power Factor	1 default (adjustable from 0.8 leading to 0.8 lagging)	
Output Current THD	<3%	
Efficiency		
Max. Efficiency	98.80%	98.80%
Euro Efficiency	98.40%	98.50%
Protection		
PV Reverse Polarity Protection	YES	
PV Insulation Resistance Detection	YES	
AC Short Circuit Protection	YES	
AC Over Current Protection	YES	
AC Over Voltage Protection	YES	
Anti-Islanding Protection	YES	
Residual Current Detection	YES	
Over Temperature Protection	YES	
Integrated DC switch	YES	
Surge Protection	Integrated (Type II)	
Smart IV Curve Scanning	YES	
Quick Arc Fault Circuit Interruption	Included	
General Data		
Dimensions (W x H x D, mm)	710 x 470 x 236	
Weight (kg)	44	51
Protection Degree	IP65	
Enclosure Material	Aluminum	
Ambient Temperature Range (°C)	-25 to 60	
Humidity Range	0-100%	
Topology	Transformerless	
Communication Interface	RS485 / WiFi / Wire Ethernet / GPRS (optional)	
Cooling Concept	Intelligent Fan Cooling	
Noise Emission (db)	<55	
Night Power Consumption (W)	<1	
Max. Operation Altitude (m)	≤4000	
Certifications and Standards		
EMC Standard	EN/IEC 61000-6-2, EN/IEC 61000-6-3, EN61000-3-2, EN61000-3-3, EN61000-3-11, EN61000-3-12	
Safety Standard	IEC 60068, UL1741, EN62109	
Grid-connection	IEEE1547, CSA C22, EN50549, VDE4105, VDE0126, RD1699, ABNT NBR16149 & 16150, AS4777.2, NB/T32004, G98/G99, IEC61727	

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www.eastmanworld.com
marketing@eastmanworld.com

AMPS MIDDLE EAST FZ LLC

#703, 7TH Floor, Deira Twin Tower,
Baniyas Square, Deira, Dubai (UAE)

EASTMAN AUTO & POWER LTD.

ASF Towers, 249, Udyog Vihar Phase-4, Gurugram,
Haryana-122016, India

GUANGDONG EASTMAN NEW ENERGY CO., LTD

#1602, Meilan business centre, Intersection of Xixiang Avenue
and Qianjin Second Road, Bao'an, District, Shenzhen-518102, China

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