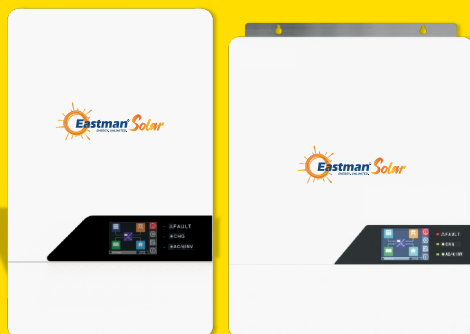




The **WISE** Choice

EASTMAN WORLD

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



HYBRID INVERTERS

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.



HYBRID INVERTER

IP20, ECO



On-Grid and Off-Grid

Eastman Hybrid series is suitable for on-grid and off-grid applications.



Remote Monitoring

Control and monitor your smart system on the move via our monitoring App and website



BMS

BMS Communication for lithium battery



Easy access

Accessible through a LCD touch screen and through the web. Two outputs for smart load management



Safe

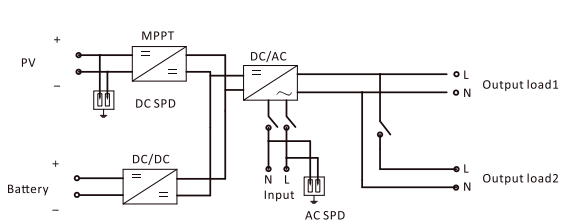
Built-in anti-dust kit for harsh environment
AC overcurrent, AC overvoltage, over temperature protection



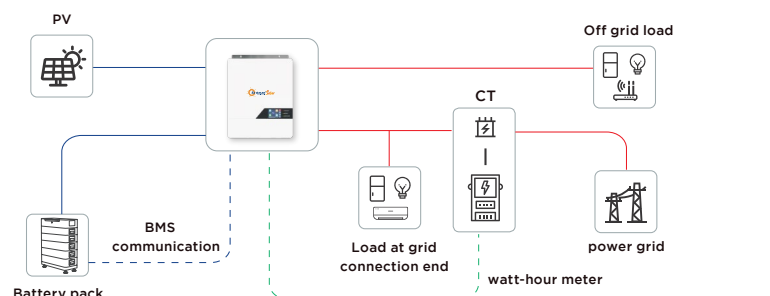
Flexible Rate Tariff

Charge from the grid at off-peak time when energy is cheaper and discharge at peak time when energy is more expensive.

Circuit block diagram



Product application diagram

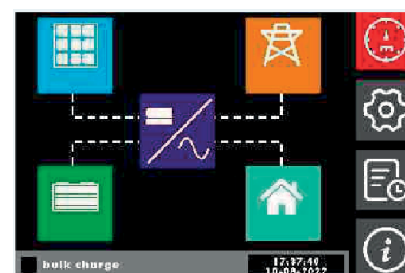


Product characteristics



- A: Ac Output
- B: Ac Input
- C: Com
- D: Pvininput
- E: On/Off
- F: Dc Input
- G: Parallel Connection

LCD Touch Screen



Technical Specification	ES4kW-E	ES6kW-E	ES8kW-E	ES11kW-E
Rated Power	4000VA/4000W	6000VA/6000W	8000VA/8000W	11000VA/11000W
Ac Input				
AC Voltage	220/230/240VAC			
Voltage Range	170-280VAC (For Personal Computers) ;90-280 VAC (For Home Appliances)			
Frequency Range	50/60Hz (Auto sensing)			
Ac Output				
Surge Power	8000VA	12000VA	16000VA	22000VA
Voltage Regulation (Battery Mode)	220VAC/230VAC/240VAC ± 5%			
Rated frequency	50/60Hz			
Efficiency (Peak)	93%			
Transfer Time	10ms (For Personal Computers) ;20ms (For Home Appliances)			
Battery				
Battery Voltage	48VDC			
Floating Charge Voltage	54VDC			
Overcharge Protection	63VDC			
Battery type	Lithium/Lead-acid			
Solar Charger & Ac Charger				
Maximum PV Array Open Circuit Voltage	500VDC			
Maximum PV Array Power	5000W		11000W(5500W*2)	
MPPT voltage range(V)	90~450VDC		60~450VDC	
Maximum input current	27A		27A*2(MAX 40A)	
MPPT tracker/strings	1		2	
Maximum solar charge current	80A	120A	150A	
Maximum AC charge current	60A	100A	150A	
Maximum charge current	80A	120A	150A	
Protection & Feature				
AC overcurrent	Yes			
AC overvoltage	Yes			
Over temperature protection	Yes			
Smart load management	Yes			
On Grid	Yes			
Parallel function	Yes,6 units			
General Parameters				
Operation temperature	-10°C ~ 50°C			
Relative humidity	5% ~ 95% (Non-condensing)			
Altitude	(>2000m Derating)			
Dimensions D x W x H(mm)	134*315*516	134*390*516		147.4*432.5*553.6
Net Weight(KG)	9	10.5	18	18.4
Display And Communication				
Display	Touch screen			
Interface	Standard:RS232,CAN&RS485; Optional : WiFi,Bluetooth,CT			
Safety standard	EN/IEC 62109-1,EN/IEC 62109-2			



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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