Eastman®

Solar Rooftop Solutions

Catalogue



*T&C Apply

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#TheWiseChoice

About Eastman

Eastman Auto & Power Ltd: Eastman Auto & Power Limited (EAPL) is a leading player in the energy transition space, offering innovative solutions across energy generation, storage, and utilization.

The company operates in three key verticals: Last Mile E-Mobility Solutions, Solar Solutions, and Continued Energy Solutions. Eastman delivers a wide range of technology-driven products, including energy storage systems and power conversion solutions designed for solar and backup applications. With a strong manufacturing base and an expanding global footprint, the company is committed to driving clean, accessible, and reliable energy solutions. Backed by a deep-rooted distribution and service network, Eastman partners with OEMs and end users to deliver seamless energy experiences.

Through continuous innovation and customer-centricity, the company is helping accelerate the shift toward sustainable and self-reliant energy ecosystems — both in India and internationally.



Service Excellence

Delivering Service Excellence with Eastman Assure
At Eastman, we believe great products deserve equally great service. Through Eastman Assure, we have built a customer-first ecosystem that ensures quick resolutions, proactive support, and peace of mind, every step of the way.

AI-Powered Voice Bot
Our intelligent voice bot instantly connects customers to solutions anytime, anywhere. From registering service requests to checking warranty and complaint status, it ensures faster responses without waiting for manual assistance.

24/7 Call Centre
A dedicated support team available round the clock to assist customers with installation, service, and troubleshooting. Every call is handled with care, ensuring customers always have access to real-time help and technical guidance.

Online Complaint Management
Customers can easily raise, track, and resolve complaints online. The streamlined system ensures transparency at every step and keeps customers updated on the progress of their service requests.

Eastman Assure – Dedicated Service Portal
A one-stop portal for all service needs. The Eastman Assure platform integrates all support functions to deliver a smooth and dependable experience to dealers and customers alike.

Round-the-Clock Service, Built on Trust.

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#TheWiseChoice

Grid Tie
INVERTERS

10 YEARS* WARRANTY



SOLVANCE | GRIDXCEL | SOLARLINK

SolarLink

Range of highly efficient Grid Tie Inverters for homes and industrial usage ranging from **3kW to 110kW** with 10 Years warranty*



MODELS			
PARAMETER	**EGT-3K-1P1M**	**EGT-3.6K-1P1M**	**EGT-4K-1P1M**
Max. DC Power (W)	3900	4700	5200
Max. DC Voltage (V)	550	550	550
MPPT Voltage Range (V)	50-500	50-500	50-500
MPPT Full Power Voltage Range (V)	270-500	325-500	360-500
Rated Input Voltage (V)	360	360	420
Start-up Voltage (V)	50	50	50
Max. Input Current (A)	20	20	20
Max. Short Current (A)	30	30	30
No. of MPPT	1	1	1
Max. AC Output Apparent Power (VA)	3300	3960	4400
Nominal Ac Output Active Power (W)	3000	3600	4000
Max. Output Current (A)	14.4	17.3	19.2
Nominal Output Voltage (V)	230	230	230
Grid Voltage Range	195.5Vac-253Vac	195.5Vac-253Vac	195.5Vac-253Vac
Nominal Output Frequency (Hz)	50/60Hz	50/60Hz	50/60Hz
Grid Frequency Range	45-55Hz/55-65Hz	45-55Hz/55-65Hz	45-55Hz/55-65Hz
Grid Connection Form	L+N+P	L+N+P	L+N+P
Protection on Degree	IP65	IP65	IP65
Communication interface	RS232	RS232	RS232

MODELS

PARAMETER	EGT-5K-1P1M	EGT-6K-1P1M	EGT-5K-3P2M	EGT-8K-3P2M	EGT-10K-3P2M
Max. DC Power (W)	7500	9000	6500	10400	13000
Max. DC Voltage (V)	600	600	1100	1100	1100
MPPT Voltage Range (V)	70-550	70-550	120-1000	120-1000	120-1000
MPPT Full Power Voltage Range (V)	270-550	320-550	350-850	480-850	480-850
Rated Input Voltage (V)	360	360	600	600	600
Start-up Voltage (V)	70	70	140	140	140
Max. Input Current (A) /MPPT	20	20	20	20	20
Max. Short Current (A) /MPPT	30	30	30	30	30
No. of MPPT	1	1	2	2	2
Max. AC Output Apparent Power (VA)	5500	6600	5500	8800	11000
Nominal Ac Output Active Power (W)	5000	6000	5000	8000	10000
Max. Output Current (A)	24	28.7	8	12.8	16
Nominal Output Voltage (V)	230	230	230	230	230
Grid Voltage Range	195.5Vac-253Vac	195.5Vac-253Vac	220Vac-380Vac	220Vac-380Vac	220Vac-380Vac
Nominal Output Frequency (Hz)	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Grid Frequency Range	45-55Hz/55-65Hz				
Grid Connection Form	L+N+P	L+N+P	3L+N+PE	3L+N+PE	3L+N+PE
Protection on Degree	IP65	IP65	IP65	IP65	IP65
Communication interface	RS232	Rs232	RS482/RS232	RS482/RS232	RS482/RS232

Compact design & Light weight

Temperature guard inside

Built in zero export function

MODELS

PARAMETER	EGT-15K-3P2M	EGT-20K-3P2M	EGT-30K-3P2M	EGT-50K-3P4M	EGT-60K-3P4M	EGT-110K-3P6M
Max. DC Power (W)	19500	26000	39000	65000	78000	150000
Max. DC Voltage (V)	1100	1100	1100	1100	1100	1100
MPPT Voltage Range (V)	200-850	250-1100	200-1000	200-1000	200-1000	250-1000
MPPT Full Power Voltage Range (V)	480-850	200-1000	480-850	450-850	450-850	550-850
Rated Input Voltage (V)	600	600	600	600	600	600
Start-up Voltage (V)	250	250	250	250	250	250
Max. Input Current (A)	26	26	40	40	40	40
Max. Short Current (A)	39	39	60	60	60	60
No. of MPPT	2	2	2	4	4	6
Max. AC Output Apparent Power (VA)	16500	22000	33000	55000	66000	121000
Nominal Ac Output Active Power (W)	15000	20000	30000	50000	60000	110000
Max. Output Current (A)	23.9	31.9	47.9	79.7	95.7	175.4
Nominal Output Voltage (V)	230	230	230	230	230	230
Grid Voltage Range	220Vac-380Vac	220Vac-380Vac	220Vac-380Vac	220Vac-380Vac	220Vac-380Vac	220Vac-380Vac
Nominal Output Frequency (Hz)	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Grid Frequency Range	45-55Hz/55-65Hz					
Grid Connection Form	3L+N+PE	3L+N+PE	3L+N+PE	3L+N+PE	3L+N+PE	3L+N+PE
Protection on Degree	IP65	IP65	IP65	IP65	IP65	IP65
Communication interface	RS482/RS232	RS482/RS232	RS482/RS232	RS482/RS232	RS482/RS232	RS482/RS232

IP 65 Enclosure

Easy installation with low maintenance

Type-II SPD Enabled AC and DC side

GridXcel

Range of highly efficient Grid Tie Inverters for homes and industrial usage ranging from **3kW to 110kW** with 10 Years warranty*



MODELS			
PARAMETER	**ES3KWS-GT-1**	**ES5KWS-GT-1**	**ES5KWT-GT**
Warranty	10 Years	10 Years	10 Years
Max. DC Input Power (kW)	4.2kW	7kW	7.5kW
Max. DC Input Voltage (V)	500V	600V	1100V
Start-up DC Input Voltage (V)	50V	70V	150V
MPPT Operating Range (V)	50-500V	70-550V	150-1000V
Max. DC Input Current (A)	18A	18+18A	15+15A
Max. Short Circuit Current (A)	20A	20+20A	25+25A
No. of MPP Trackers	1	1	2
Rated Output Power (kW)	3kW	5kW	5kW
Rated Output Power (VA)	3.3kVA	5.5kVA	5.5kVA
Nominal Output Voltage	L/N/E 220/230V	L/N/E,220V,230V,240V	3L+N+PE 220/380V,230/400V
Rated Grid Frequency (Hz)	50/60 Hz	50/60Hz	50/60Hz
Operating Phase	Single Phase	Single Phase	Three Phase
Max. AC Output Current (A)	15A	24A	8.5/PH
Surge protection	INTEGRATED (TYPE III)	INTEGRATED (TYPE III)	INTEGRATED (TYPE III)
Ingress protection	IP65	IP65	IP65
Interface	RS485/RS232/WiFi/LAN	RS485/RS232 /Wire Ethernet/ GPRS (Optional)	RS485/WiFi /Wire Ethernet/ GPRS (Optional)
Dimension (L*W*H)	330x323x190	358X360X142	370x535x192

MODELS			
PARAMETER	**ES8KWT-GT**	**ES10KWT-GT**	**ES15KWT-GT**
Warranty	10 Years	10 Years	10 Years
Max. DC Input Power (kW)	12kW	15kW	22.5kW
Max. DC Input Voltage (V)	1100V	1100V	1100V
Start-up DC Input Voltage (V)	150V	150V	150V
MPPT Operating Range (V)	150-1000V	150-1000V	150-1000V
Max. DC Input Current (A)	15+15A	15+15A	20+32A
Max. Short Circuit Current (A)	25+25A	25+25A	30+48A
No. of MPP Trackers	2	2	2
Rated Output Power (kW)	8kW	10kW	15kW
Rated Output Power (VA)	8.8kVA	11kVA	16.5kVA
Nominal Output Voltage / Range (V)	3L+N+PE 220/380V,230/400V		
Rated Grid Frequency (Hz)	50/60Hz	50/60Hz	50/60Hz
Operating Phase	Three Phase	Three Phase	Three Phase
Max. AC Output Current (A)	13.5A/PH	17A/PH	27A/PH
Surge protection	INTEGRATED (TYPE III)	INTEGRATED (TYPE III)	INTEGRATED (TYPE II)
Ingress Protection	IP65	IP65	IP65
Interface	RS485/WiFi / Wire Ethernet/GPRS (Optional)	RS485/WiFi /Wire Ethernet/ GPRS (Optional)	RS485/RS232/WiFi/LAN
Dimension (L*W*H)	370x535x192	370x535x192	370x535x192

MODELS				
PARAMETER	**ES20KWT-GT**	**ES30KWT-GT**	**ES50KWT-GT**	**ES-110K-GT**
Warranty	10 Years	10 Years	10 Years	10 Years
Max. DC Input Power	30kW	45kW	75kW	165kW
Max. DC Input Voltage	1100Vdc	1100Vdc	1100Vdc	1100Vdc
MPPT Voltage Range	150-1000Vdc	200-1000Vdc	200-1000Vdc	250-850Vdc
Start Up Voltage	150Vdc	200Vdc	200Vdc	250Vdc
Max. DC Input Current	2x32Adc	2x32Adc	3x40Adc	6x38Adc
Max. Short Circuit input current	2x48Adc	2x48Adc	3x48Adc	6x48Adc
No. of MPPT	2	2	3	6
Rated AC Grid Voltage	3L+N+PE 220/380, 230/400V			
Rated AC Grid Frequency	50/60Hz			
Rated AC Output Power	20kW	30kW	50kW	110kW
No. of Phase	3			
Max. Continuous Output Power	22kW	33kW	55kW	121kVA
Max. AC output Current	32A/Ph	48A/Ph	80A/Ph	183.3A/Ph
Power Factor	1 (-0.8 to +0.8)			
Ingress Protection	IP 65			
Interface	RS485/RS232/Wi-fi/LAN			
Dimension (LxWxH)	370x535x192	450x485x210	710x470x236	838x568x356

Low Startup DC Voltage

Max. DC Overloading 30%

Built in Zero Export Function

IP 65 Enclosure

Easy installation with low maintenance

Type-II SPD Enabled AC and DC Side

Solvance

Range of highly efficient Grid Tie Inverters for homes and industrial usage ranging from **3kW to 5kW** with 10 Years warranty*



MODELS		
PARAMETER	**TGT-3K-1P1M**	**TGT-5K-1P1M**
Max. DC Power [W]	4500	7000
Max. DC Voltage [Vdc]	500	550
Min. System Start [Vdc]	50	70
MPPT Voltage Range [Vdc]	100-450	100-500
Max. Input MPPT Current [Adc]	18	22
Max. Input Short-Circuit Current per MPPT [Adc]	23	28
Number of MPP Tracker	1	1
Max. Number of String (Parallel)	1	1
Maximum Active Power [W]	3000	5000
Nominal Output Power [W]	3300	5500
Maximum Apparent Output Power [VA]	3300	5500
Nominal Output Voltage/Range [Vac]	230/180-270	
AC Grid Frequency/Range [Hz]	50/60 Hz / ±4.5 auto selection	
Maximum Output Current [Aac]	16	23
AC Connection (with PE)	1P+N+PE (Single Phase)	
Current Distortion (THDi) [%]	<1.5%	
Power Factor	–0.8 to +0.8	
Maximum Conversion Efficiency [%]	97.5	
European Efficiency [%]	97.2	
MPPT Efficiency [%]	99.99	
Dimension (L/W/H) [mm]	300/295/105	370/290/103
Ingress Protection	IP 65	

- Low Startup DC Voltage
- Max. DC Overloading 30%
- Built in Zero Export Function
- IP 65 Enclosure
- Easy installation with low maintenance
- Type-II SPD Enabled AC and DC Side

Hybrid
INVERTERS



OPTIGRID

OptiGrid

Range of highly efficient Hybrid Inverters for homes and industrial usage ranging from **3kW to 10kW** with 10 Years warranty*



- Max. Efficiency 97.60%
- Low Startup DC Voltage
- Max. DC Overloading 30%

MODELS			
PARAMETER	**EHY-3KW-1P**	**EHY-5KW-1P**	**EHY-10KW-3P**
Warranty	10 Years	10 Years	10 Years
Max. DC Input Power (W)	3900	6500	13000
Max. DC Input Voltage (V)	500	500	800
Start-up DC Input Voltage (V)	125	125	160
MPPT Operating Range (V)	125-500	125-500	200-650
Max. DC Input Current (A)	13	13+13	26+13
Max. Short Circuit Current (A)	17	17+17	34+17
No. of MPP Trackers	1	2	2
Rated Output Power (kW)	3000	5000	10000
Rated Output Power (VA)	3300	5500	11000
Nominal Output Voltage	230	230	400
Rated Grid Frequency (Hz)	50	50	50
Operating Phase	1	1	3
Max. AC Output Current (A)	14.3	23.9	22.7
Surge protection	type II	type II	type II
Ingress Protection	IP 65	IP 65	IP 65
Interface	RS232, RS485, CAN	RS232, RS485, CAN	RS232, RS485, CAN
Dimension (L*W*H)	330x430x229	330x430x229	386x660x250

- Wide AC Voltage Range
- Dual Power Operation
- Battery Compatibility
- Export To Grid (Net Metering)
- Built in Zero Export Function
- IP 65 Enclosure
- Easy installation with low maintenance
- Type-II SPD Enabled AC and DC Side

Eastman **One App**

Smart Control in Your Hands

Power management has entered a new era. With the Eastman One App and Eastman Wi-Fi Stick, you get a smarter way to monitor, control, and optimize your inverter and solar systems — anytime, anywhere.

1. Eastman Wi-Fi Stick

Simply plug the compact Wi-Fi Stick into your inverter to connect it to the app. No wiring, no setup hassle, it enables instant communication between your system and the cloud, making your inverter truly smart.



Eastman Wi-Fi/ GSM Stick

2. Real-Time Monitoring

Get a live view of your inverter's performance, including input/output status, solar generation, battery charge, load usage, and power backup time directly on your mobile screen.

3. Multi-Device Connectivity

Monitor multiple inverters and locations through a single app. Perfect for homes, offices, and institutions managing multiple systems.



Eastman ONE App

4. Performance Reports with Smart Alerts

Access detailed daily, monthly, and yearly energy statistics. Gain insights into solar generation, grid usage, and consumption patterns to improve efficiency and savings. Receive instant alerts for faults or maintenance needs. The app ensures you act before issues impact performance.

5. Seamless Service Integration

Directly link to Eastman Assure for complaint registration, warranty claims, and service tracking — all within the same platform.

6. Cloud-Based Data Security

All data is securely stored and backed up on Eastman's encrypted cloud servers, ensuring reliability and privacy.

Empower your energy experience with Eastman One.

Download now from Google Play & App Store

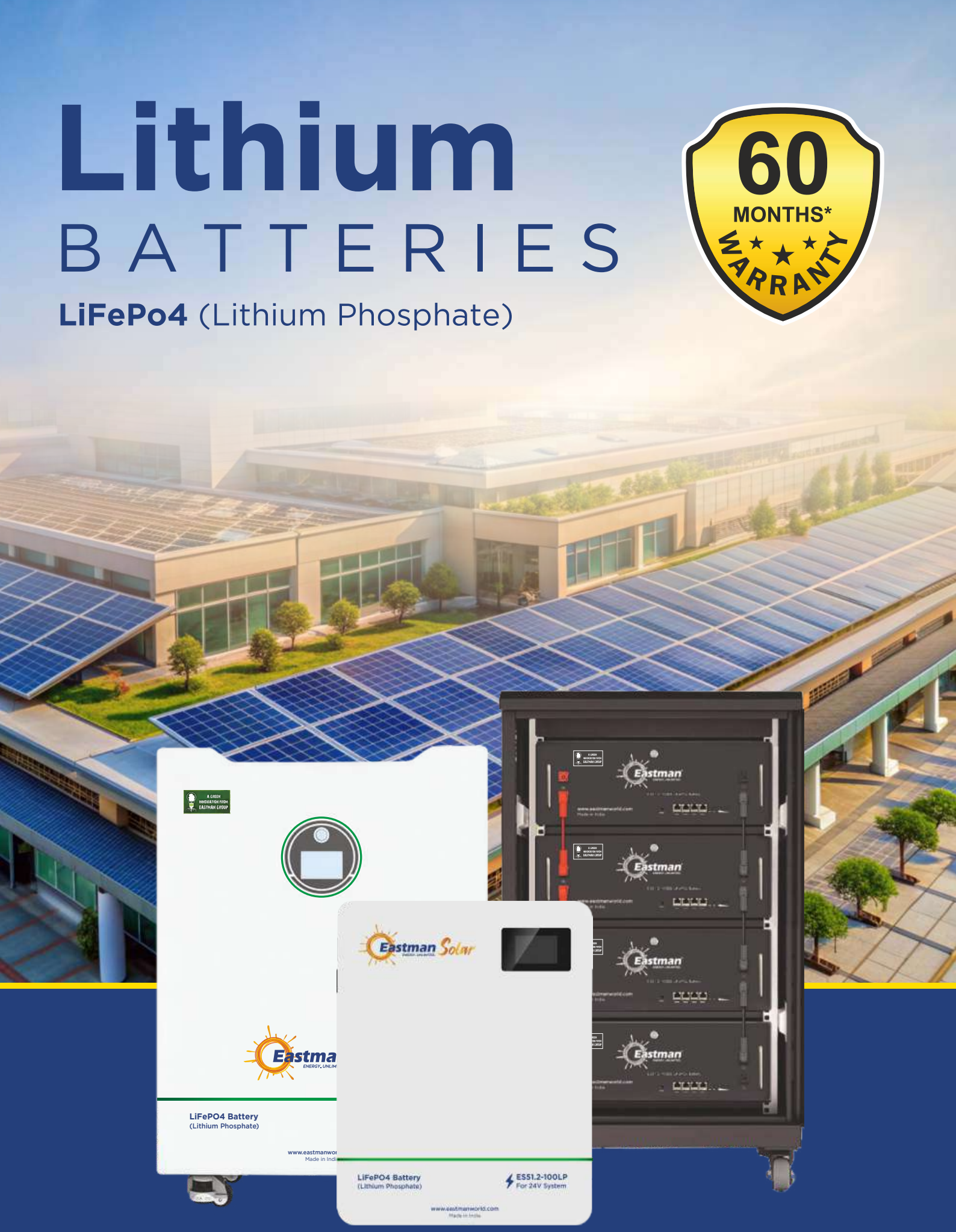
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Download on the App Store

Lithium
BATTERIES

LiFePo4 (Lithium Phosphate)

60 MONTHS* WARRANTY



WALL MOUNT | FLOOR MOUNT | RACK TYPE

LiFePo4

(Lithium Phosphate) **WALL MOUNT**

Upgrade your Energy Storage with our Lithium Phosphate Battery. Stay informed with real-time operation status via the LCD Screen, ensuring total control and efficiency for your power requirements.

- Intelligent Battery Management System
- Deep Cycle 6000+ Cycle Battery Pack
- Intelligent Air Cooling and Heat Dissipation
- RS485/CAN Communication For Connecting More Batteries in Parallel Connection
- Real-time Monitoring of Operation Status by LCD screen



ES25.6V LiFePO4 (Lithium Phosphate)

Model	ES25.6-100LP	ES25.6-230LP
Array Mode	8S	
Nominal Energy (kWh)	2.5	5.8
Nominal Voltage (V)	25.6	
Charge Voltage (V)	29.2	
Discharge Cut-off Voltage (V)	21	
Standard Charging Current(A)	20	46
Max. Continuous Charging Current (A)	100	
Max. Continuous Discharging Current (A)	100	
Cycle Life	6000 Cycles @80% DOD @25°C @0.2C/0.2C	
Communication Mode	RS485/CAN, RS232, RS485/RS485	
Parallel Connection	Yes, upto 15 units	
Operating Temp	Charging: 0~60°C; Discharging: -10°C~65°C	
Size(LxWxH) mm	440x170x350	560x470x170
Net Weight (kg)	~23	~45
Gross Weight (kg)	~25	~47
Warranty	5 Years	
Altitude	≤4000m	
Humidity	<90%RH	
Shelf Temperature	10°C~60°C	
Design Life	10+ Years at 25°C/77°F	

ES51.2V LiFePO4 (Lithium Phosphate)

Model	ES51.2-100LP	ES51.2-230LP
Array Mode	16S	
Nominal Energy (kWh)	5.1	11.7
Nominal Voltage (V)	51.2	
Charge Voltage (V)	58.4	
Discharge Cut-off Voltage (V)	42	
Standard Charging Current(A)	20	46
Max. Continuous Charging Current (A)	100	200
Max. Continuous Discharging Current (A)	100	200
Cycle Life	6000 Cycles @80% DOD @25°C @0.2C/0.2C	
Communication Mode	RS485/CAN, RS232, RS485/RS485	
Parallel Connection	Yes, upto 15 units	
Operating Temp	Charging: 0~60°C; Discharging: -10°C~65°C	
Size(LxWxH) mm	560x470x170	670x485x244
Net Weight (kg)	~41	~93
Gross Weight (kg)	~43	~106
Warranty	5 Years	
Altitude	≤4000m	
Humidity	<90%RH	
Shelf Temperature	10°C~60°C	
Design Life	10+ Years at 25°C/77°F	

T & C's Apply. Product Specifications, Images and Details subject to change without prior notice.

LiFePo4

(Lithium Phosphate)
FLOOR MOUNT

Upgrade your Energy Storage with our Lithium Phosphate Battery. Stay informed with real-time operation status via the LCD Screen, ensuring total control and efficiency for your power requirements.

- Intelligent Battery Management System
- Deep Cycle 6000+ Cycle Battery Pack
- Intelligent Air Cooling and Heat Dissipation
- RS485/CAN Communication For Connecting More Batteries in Parallel Connection
- Real-time Monitoring of Operation Status by LCD screen

CE IEC MSDS UN38.3 UN 3480



ES51.2V LiFePO4 (Lithium Phosphate)

Model	ES51.2-280LP
Array Mode	16S
Nominal Energy (kWh)	14.3
Nominal Voltage (V)	51.2
Charge Voltage (V)	58.4
Discharge Cut-off Voltage (V)	42
Standard Charging Current(A)	56
Max. Continuous Charging Current (A)	200
Max. Continuous Discharging Current (A)	200
Cycle Life	6000 Cycles @80% DOD @25°C @0.5C/0.5C
Communication Mode	RS485/CAN, RS232, RS485/RS485
Parallel Connection	Yes, upto 15 units
Operating Temp	Charging: 0~60°C; Discharging: -10°C~65°C
Size(LxWxH) mm	750x580x279
Net Weight (kg)	~113
Gross Weight (kg)	~128
Warranty	5 Years
Altitude	≤4000m
Humidity	<90%RH
Shelf Temperature	10°C~60°C
Design Life	10+ Years at 25°C/77°F

T & C's Apply. Product Specifications, Images and Details subject to change without prior notice.

LiFePo4

(Lithium Phosphate)

RACK TYPE

Introduction

Optimize your Energy Solution with our Rack-Type Energy Storage. Featuring advanced warning functions for secure and dependable operation in all conditions.



Product Features

- Standardized Design: Our 3U and 4U Standardized case ensures broad applicability.
- Enhanced Energy Capacity: Support multiple parallel battery usage to meet high energy demands.
- Intelligent Lithium Battery Management System: Equipped with RS485 communication, offers real-time battery monitoring and customizable protection parameters such as charge & discharge.
- Balancing: Automatic collection of battery single series voltage, pressure difference up to 30 Mega Volt (can be set) with an automatic start equalization function.
- Warning Function: Advanced warning functions, including Overcharge, Over-Discharge, Over-Current, High-Temperature and Low-Temperature alerts reducing potential safety risks.

Rack Type Lithium Batteries

Model	ES51.2-100BS	ES51.2-400BS
Array Mode	16S	16S x4 (Module)
Nominal Energy (kWh)	5.1	20.0
Nominal Voltage (V)	51.2	
Charge Voltage (V)	58.4	
Discharge Cut-off Voltage (V)	42	
Standard Charging Current(A)	20	20x4
Max. Continuous Charging Current (A)	100	100x4
Max. Continuous Discharging Current (A)	100	100x4
Cycle Life	6000 Cycle @80% DOD @25°C @0.2C/0.2C	
Communication Mode	RS485/CAN	
Operating Temp	Charging: 0~60°C; Discharging: -10°C~65°C	
Size(LxWxH) mm	520x495x175	600x600x1000 (with cabinet)
Net Weight (kg)	~44	~200
Gross Weight (kg)	~46	~210
Warranty	5 Years	
Altitude	≤4000m	
Humidity	<90%RH	
Shelf Temperature	10°C~60°C	
Design Life	10+ Years at 25°C/77°F	

T & C's Apply. Product Specifications, Images and Details subject to change without prior notice.

TOPCON

ALMM APPROVED

***More then 24V Modules**

Solar PANELS

A wide selection of DCR and Non-DCR Solar Panels ranging from 50 W to 590 W, backed by 25 to 27 years of panel performance warranty*, giving you the flexibility to meet both technical and regulatory requirements.



27 YEARS* WARRANTY

- Superior Module Efficiency As Per International Benchmarks
- Glass With Anti Reflective Coating Improves Light Transmission
- Excellent Anti Pid (potential Induced Degradation) Performance
- Sustain Heavy Wind & Snow Loads (2400 Pa & 5400 Pa)

PRODUCT SPECIFICATION

PARAMETER	EMP50W	EMP125W	EMP210W	G2X545-HAD
Model Type	Mono-Crystalline	Mono-Crystalline	Mono-Crystalline	Mono-Crystalline
System Voltage	1000VDC	1000VDC	1000VDC	1500VDC
Busbar	P Type 10BB	P Type 12BB	P Type 12BB	P Type 10BB
Rating Wp	50W	125W	210W	545W
Panel Voltage	12V	12V	12V	24V
Dimension (L*W*H)	415x615x30	1010x665x35	1485x665x35	2278x1134x35
Weight (in Kg)	4.5Kg	7.30Kg	10.780Kg	28.00Kg
Pallet/Box Dimension	455x700x85	1035x690x95	1515x695x95	2290x1025x1300
Product Warranty	25 Years	25 Years	25 Years	27 Years

PARAMETER	G2X1715-HAD	ETP550W	EBP550W NON DCR	G2G1740-HAD	G2G1770-HAD
Model Type	Mono-Crystalline Bi-Facial	Mono-Crystalline	Mono-Crystalline Bi-Facial	Top-Con	Top-Con
System Voltage	1500VDC	1500VDC	1500VDC	1500VDC	1500VDC
Busbar	P Type 10BB	P Type 10BB	P Type 10BB	N Type 16BB	N Type 16BB
Rating Wp	550W	550W	550W	580W	590W
Panel Voltage	24V	24V	24V	24V	24V
Dimension (L*W*H)	2278x1134x35	2278x1134x35	2278x1134x35	2278x1134x30	2278x1134x30
Weight (in Kg)	28.00Kg	28.00Kg	28.00Kg	33.50Kg	33.50Kg
Pallet/Box Dimension	2290x1025x1300	2290x1025x1300	2290x1025x1300	2315x1015x1322	2315x1015x1322
Product Warranty	27 Years	27 Years	27 Years	27 Years	27 Years

Solar Lithium
COMBO
(LITHIUM BATTERY + SOLAR PCU)

Engineered for superior performance, the Eastman Lead Acid Replacement Lithium Battery offers a smarter, longer-lasting alternative to traditional batteries. As part of the advanced Lithium Solar Combo, it delivers higher energy efficiency, faster charging, and extended life cycles — all with a lightweight, maintenance-free design. Ideal for residential and commercial applications, it ensures seamless compatibility while providing greater reliability and sustainability.



LITHIUM BATTERIES + SOLAR PCU COMBO

SOLAR LITHIUM BATTERIES

Model	EM LFP 160 SOLAR	EM LFP 240 SOLAR	EM LFP 320 SOLAR
Battery Rating	12.8V-100Ah	12.8V-150Ah	25.6V 100Ah
Battery operating Voltage (V)	10.6-14.6	10.6-14.6	21.2~29.2
Operating Temp Range (Charging)	0~60°C	0~60°C	0~60°C
Recommended Charge Current	20A	30A	20A
Recommended Discharge Current	50A	75A	50A
Battery Mass	≈ 13 kg	≈ 14	≈ 27 kg
Warranty	5 Years	5 Years	5 Years
Battery Dimension (mm) LxWxH	330*210*160	330*235*217	460*308*202.5
Certification	UN38.3 | UN3480 | MSDS | CE | IEC 62619 | BIS		BIS (In process)

Model	EM LFP 480 SOLAR	EM LFP 640 SOLAR	EM LFP 960 SOLAR
Battery Rating	25.6V 150Ah	51.2V 100Ah	51.2V 150Ah
Battery operating Voltage (V)	21.2~29.2	42.4~58.4	42.4~58.4
Operating Temp Range (Charging)	0~60°C	0~60°C	0~60°C
Recommended Charge Current	30A	20A	30A
Recommended Discharge Current	75A	50A	75A
Battery Weight (Kg)	≈ 37 kg	≈ 46 kg	≈ 68 kg
Warranty	5 Years	5 Years	5 Years
Battery Dimension (mm) LxWxH	390*323*269.5	460*440*207	500*391*309
Certification	BIS(In process)	BIS(In process)	BIS(In process)



Battery Management System


Cell Balancing


Thermal Protections


Water Resistance

SOLAR PCU

PCU Model	PCU Type	Battery Model Name	Battery Model Name
Solar Smart 1400 12V	PWM	EM LFP 160 Solar	12.8V 100Ah
Solar Smart 1400 12V	PWM	EM LFP 240 Solar	12.8V 150Ah
Solar Smart 3100 24V	PWM	EM LFP 320 Solar	25.6V 100Ah
Solar Smart 3100 24V	PWM	EM LFP 480 Solar	25.6V 150Ah
Solar Smart Max 900 12V	MPPT	EM LFP 160 Solar	12.8V 100Ah
Solar Smart Max 900 12V	MPPT	EM LFP 240 Solar	12.8V 150Ah
Solar Smart Max 1400 12V	MPPT	EM LFP 160 Solar	12.8V 100Ah
Solar Smart Max 1400 12V	MPPT	EM LFP 240 Solar	12.8V 150Ah
Solar Smart Max 3100 24V	MPPT	EM LFP 320 Solar	25.6V 100Ah
Solar Smart Max 3100 24V	MPPT	EM LFP 480 Solar	25.6V 150Ah
Solar Smart Max 4100 48V	MPPT	EM LFP 640 Solar	51.2V 100Ah
Solar Smart Max 4100 48V	MPPT	EM LFP 960 Solar	51.2V 150Ah

***Warranty Void if not installed with Recommended Solar PCU**

Solar
PCU

PWM | MPPT Technology

60 MONTHS* WARRANTY



SOLAR SMART | SOLAR SMART MAX

SOLAR SMART

Solar PCU with PWM technology, ranging from 500VA to 2500VA, with a 60-Months warranty* on the product.



PRODUCT SPECIFICATION

SPECIFICATION	SOLAR SMART 925-12V	SOLAR SMART 1250-12V	SOLAR SMART 1400-12V
Capacity (VA)	500VA	850VA	1000VA
Maximum Bulb Load (W)	500VA	850VA	1000VA
Battery Voltage	12V	12V	12V
Product Warranty	60 MONTHS	60MONTHS	60MONTHS
Transformer Warranty	NA	NA	NA
Voc Range	17-30V	17-30V	17-30V
Input Voltage (Wide Mode)	90V-300V	90V-300V	90V-300V
Input Range (Narrow Mode)	170V-270V	170V-270V	170V-270V
Output Voltage on Mains Mode	SAME AS INPUT	SAME AS INPUT	SAME AS INPUT
Output Voltage on Backup Mode	230V +10%, -15%	230V +10%, -15%	230V +10%, -15%
Output Frequency on Backup Mode	50Hz±0.1Hz	50Hz±0.1Hz	50Hz±0.1Hz
Switching from Mains to Backup and from Backup to Mains	AUTOMATIC	AUTOMATIC	AUTOMATIC
Output Waveform on Mains Mode	SAME AS INPUT	SAME AS INPUT	SAME AS INPUT
Output Waveform on Backup Mode	SINEWAVE	SINEWAVE	SINEWAVE
Battery Charging Current	20A	20A	20A
Charger	CCCV	CCCV	CCCV
PCU Overload/PCU Short Circuit	110%/300%	110%/300%	110%/300%
Technology	DSPIC BASED DESIGN	DSPIC BASED DESIGN	DSPIC BASED DESIGN
Auto Reset Feature	YES	YES	YES
Operating Temperature	0-45°C	0-45°C	0-45°C
MAX PV Power	500VA	850VA	1000VA
Solar Current MAX.	30A ±5A	50AMP ±5A	50AMP ±5A

PRODUCT SPECIFICATION

SPECIFICATION	SOLAR SMART 1800-12V	SOLAR SMART 3100-24V	SOLAR SMART 3725-24V
Capacity (VA)	1400VA	2000VA	2500VA
Maximum Bulb Load (W)	1400VA	2000VA	2500VA
Battery Voltage	24V	24V	24V
Product Warranty	60MONTHS	60MONTHS	60MONTHS
Transformer Warranty	NA	NA	NA
Voc Range	34-60V	34-60V	34-60V
Input Voltage (Wide Mode)	90V-300V	90V-300V	120V-300V
Input Range (Narrow Mode)	170V-270V	170V-270V	170V-270V
Output Voltage on Mains Mode	SAME AS INPUT	SAME AS INPUT	SAME AS INPUT
Output Voltage on Backup Mode	230V +10%, -15%	230V +10%, -15%	230V +10%, -15%
Output Frequency on Backup Mode	50Hz±0.1Hz	50Hz±0.1Hz	50Hz±0.1Hz
Switching from Mains to Backup and from Backup to Mains	AUTOMATIC	AUTOMATIC	AUTOMATIC
Output Waveform on Mains Mode	SAME AS INPUT	SAME AS INPUT	SAME AS INPUT
Output Waveform on Backup Mode	SINEWAVE	SINEWAVE	SINEWAVE
Battery Charging Current	20A	20A	20A
Charger	CCCV	CCCV	CCCV
PCU Overload/PCU Short Circuit	110%/300%	110%/300%	110%/300%
Technology	DSPIC BASED DESIGN	DSPIC BASED DESIGN	DSPIC BASED DESIGN
Auto Reset Feature	YES	YES	YES
Operating Temperature	0-45°C	0-45°C	0-45°C
MAX PV Power	1400VA	2000VA	2500VA
Solar Current MAX.	50 AMP ±5A	50AMP ±5A	75AMP ±5A

- Zero Drop PWM solar Charger Topology
- 3 Saving Mode (Intelligent, Hybrid & Solar)
- PV Reverse Protection
- Smart Selection of Grid & Solar
- Isolated Gated Drive for Solar Charger
- Double PV Voc Protection

SOLAR SMARTMAX

Solar PCU with MPPT technology, ranging from 500VA to 10kVA, with a 60-Months warranty* on the product.



PRODUCT SPECIFICATION

SPECIFICATION	SOLAR SMART MAX 900-12V	SOLAR SMART MAX 1400-12V	SOLAR SMART MAX 2600-24V	SOLAR SMART MAX 3100-24V
Capacity (VA)	500VA	1000VA	1500VA	2000VA
Maximum Bulb Load (W)	500VA	1000VA	1500VA	2000VA
Battery Voltage	12V	12V	24V	24V
Product Warranty	60MONTHS	60MONTHS	60MONTHS	60MONTHS
Transformer Warranty	NA	NA	NA	NA
Voc Range	17-30V	17-30V	34-60V	34-60V
Input Voltage (Wide Mode)	90V-300V	90V-300V	90V-300V	90V-300V
Input Range (Narrow Mode)	170V-270V	170V-270V	170V-270V	170V-270V
Output Voltage on Mains Mode	SAME AS INPUT	SAME AS INPUT	SAME AS INPUT	SAME AS INPUT
Output Voltage on Backup Mode	230V +10%, -15%	230V +10%, -15%	230V +10%, -15%	230V +10%, -15%
Output Frequency on Backup Mode	50Hz±0.1Hz	50Hz±0.1Hz	50Hz±0.1Hz	50Hz±0.1Hz
Switching from Mains to Backup and from Backup to Mains	AUTOMATIC	AUTOMATIC	AUTOMATIC	AUTOMATIC
Output Waveform on Mains Mode	SAME AS INPUT	SAME AS INPUT	SAME AS INPUT	SAME AS INPUT
Output Waveform on Backup Mode	SINEWAVE	SINEWAVE	SINEWAVE	SINEWAVE
Battery Charging Current	20A	20A	20A	20A
Charger	CCCV	CCCV	CCCV	CCCV
PCU Overload/PCU Short Circuit	110%/300%	110%/300%	110%/300%	110%/300%
Technology	DSPIC BASED DESIGN			
Auto Reset Feature	YES	YES	YES	YES
Operating Temperature	0-45°C	0-45°C	0-45°C	0-45°C
MAX PV Power	500VA	1000VA	1500VA	2000VA
Solar Current MAX.	32AMP±3AMP	66AMP±3AMP	50AMP±3AMP	66AMP±3AMP

PRODUCT SPECIFICATION

SPECIFICATION	SOLAR SMART MAX 3600-24V	SOLAR SMART MAX 4100-48V	SOLAR SMART MAX 6100-48V	SOLAR SMART MAX 6600-96V	SOLAR SMART MAX 11100-120V
Capacity (VA)	2500VA	3000VA	5000VA	5500VA	10000VA
Maximum Bulb Load (W)	2500VA	3000VA	5000VA	5500VA	10000VA
Battery Voltage	24V	48V	48V	96V	120V
Product Warranty	60MONTHS	60MONTHS	60MONTHS	60MONTHS	60MONTHS
Transformer Warranty	NA	NA	NA	NA	NA
Voc Range	34-60V	75-160V	75-160V	200V-500V	200V-500V
Input Voltage (Wide Mode)	120V-300V	120V-300V	120V-300V	120V-300V	120V-300V
Input Range (Narrow Mode)	170V-270V	170V-270V	170V-270V	170V-270V	170V-270V
Output Voltage on Mains Mode	SAME AS INPUT				
Output Voltage on Backup Mode	230V +10%, -15%				
Output Frequency on Backup Mode	50Hz±0.1Hz	50Hz±0.1Hz	50Hz±0.1Hz	50Hz±0.1Hz	50Hz±0.1Hz
Switching from Mains to Backup and from Backup to Mains	AUTOMATIC	AUTOMATIC	AUTOMATIC	AUTOMATIC	AUTOMATIC
Output Waveform on Mains Mode	SAME AS INPUT	SAME AS INPUT	SAME AS INPUT	SAME AS INPUT	SAME AS INPUT
Output Waveform on Backup Mode	SINEWAVE	SINEWAVE	SINEWAVE	SINEWAVE	SINEWAVE
Battery Charging Current	20A	20A	20A	20A	20A
Charger	CCCV	CCCV	CCCV	CCCV	CCCV
PCU Overload/PCU Short Circuit	110%/300%	110%/300%	110%/300%	110%/300%	110%/300%
Technology	DSPIC BASED DESIGN				
Auto Reset Feature	YES	YES	YES	YES	YES
Operating Temperature	0-45°C	0-45°C	0-45°C	0-45°C	0-45°C
MAX PV Power	2500VA	3000VA	5000VA	5500VA	10000VA
Solar Current MAX.	72AMP±3AMP	40AMP±6AMP	66AMP±6AMP	30AMP±3AMP	55AMP±3AMP

- Zero Drop MPPT solar Charger Topology
- 3 Saving Mode (Intelligent, Hybrid & Solar)
- PV Reverse Protection
- Smart Selection of Grid & Solar
- Isolated Gated Drive for Solar Charger
- Double PV Voc Protection

Solar
BATTERIES



LEAD ACID SOLAR BATTERIES

- Lowest Electricity Consumption in Recharging
- Easy Recovery After Idle Period
- Less Fume Generation
- Low Water Loss
- Low Cost of Ownership
- 5% Extra Capacity & Backup WRT Rated Capacity

Solar Batteries with capacity ranging from 40Ah to 260Ah and with warranty ranging 6 Years* to 10 Years*

Solar Battery

RANGES OF SOLAR BATTERY IN C10 (RATING)

Sl. No.	Battery Model No.	Capacity @C10 Ah	Warranty* (in months)	Free Replacement	Pro-Rata Compensation
1	EM12072SB	120Ah	72	0-36 Months	37-72 Months
2	EM15072JSB	150Ah	72	0-36 Months	37-72 Months
3	EM15072SB	150Ah	72	0-36 Months	37-72 Months
4	EM150SB	150Ah	120	0-60 Months	61-120 Months
5	EM20072SB	200Ah	72	0-36 Months	37-72 Months
6	EM200SB	200Ah	120	0-60 Months	61-120 Months
7	EM260SB	260Ah	120	0-60 Months	61-120 Months

Solar Smart Battery

RANGES OF SOLAR BATTERY IN C10 (RATING)

Sl. No.	Battery Model No.	Capacity @C10 Ah	Warranty* (in months)	Free Replacement	Pro-Rata Compensation
1	EM700SSR	40Ah	72	0-36 Months	37-72 Months
2	EM1050SSR	75Ah	72	0-36 Months	37-72 Months
3	EM1300SSR	100Ah	72	0-36 Months	37-72 Months
4	EM1500SSR	120Ah	72	0-60 Months	37-72 Months
5	EM1800SSR	150Ah	72	0-36 Months	37-72 Months
6	EM2300SSR	200Ah	72	0-36 Months	37-72 Months
7	EM1560SSR	150Ah	120	0-60 Months	61-120 Months
	EM2060SSR	200Ah	120	0-60 Months	61-120 Months

C20 - Solar Battery

RANGES OF SOLAR BATTERY IN C20 (RATING)

Sl. No.	Battery Model No.	Capacity @C20Ah	Warranty* (in months)	Free Replacement	Pro-Rata Compensation
1	EM16018JSR	150Ah	36	0-18 Months	19-36 Months
2	EM16024JSR	150Ah	48	0-24Months	25-48 Months
3	EM19024JSR	180Ah	48	0-24 Months	25-48 Months
4	EM16024TB	150Ah	48	0-24 Months	25-48 Months
5	EM11536TB	100Ah	72	0-36 Months	37-72 Months
6	EM13536TB	120Ah	72	0-36 Months	37-72 Months
7	EM15036TB	135Ah	72	0-36 Months	37-72 Months
8	EM16536TB	150Ah	72	0-36 Months	37-72 Months
9	EM21536TB	200Ah	72	0-36 Months	37-72 Months
10	EM22036TB	200Ah	72	0-36 Months	37-72 Months
11	EM26536TB	250Ah	72	0-36 Months	37-72 Months

Solar
Access



60 MONTHS WARRANTY*

- Zero Drop MPPT solar Charger Topology
- 3 Saving Mode (Intelligent, Hybrid & Solar)
- Smart Selection of Grid & Solar
- Isolated Gated Drive for Solar Charger
- PV Reverse Protection
- Double PV Voc Protection

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#TheWiseChoice

A compact, all-in-one power unit with an in-built Lithium battery for instant, hassle-free backup. It's Pure Sine Wave output keeps essential appliances—lights, fans, TVs, routers and laptops—running smoothly. Solar-ready and easy to install, Solar Access LIB cuts electricity costs while ensuring dependable power during outages. Supported by a 60-month product warranty, it delivers reliable performance in a portable design.

PRODUCT SPECIFICATION

Input Voltage (WIDE MODE)	90V-290V±10V	
Input Voltage (NARROW MODE)	170V-270V±10V	
Output Voltage on Mains Mode	Same as input	
Output Voltage on Backup Mode	220V+10%,-15%	
Output Frequency in Backup Mode	50HZ±0.1HZ	
Switching from mains to Backup	Automatic	
Output Waveform on Mains Mode	Same as input	
Output Waveform on backup Mode	Pure Sine Wave	
Battery Charging Current	Constant Charging approx 10% of the rated battery current in Ah	
Charger	CCCV	
PCU Overload/ PCU Short Circuit	110%/150%	
PCU Transfer Time	<=15msec	
Technology	DSPIC Based Design	
Auto Reset Feature	YES	
Operating Temperature	0°C - 45°C	
Voc Range	1000-12.8V	2000-25.6V
	15V-52V	30V-105V
MAX. PV Power	1000W	2000W
Solar Current MAX.	60A±3A	60A±3A
Type of Charger	MPPT with isolated Gate Drive	

SOLAR CHARGE CONTROLLER (SCC)



Model	ESCC101224
Operating Temperature	-20°C to 50°C
Charger Type	Zero Drop PWM
Electrical	
Normal working Voltage	12V/24V VDC
Charging current Solar	10A ± 10%
Solar High (Voc)	56V ± 4V
Boost voltage Tubular Battery	14.7V ± 0.3V (12V Batt)
	29.4V ± 0.3V (24V Batt)
Display parameter (LED Display)	1. Battery Reverse Polarity
	2. Solar Reverse Polarity
	3. Over current SPV
	4. Solar Low Voltage
	5. Solar High Voltage
Physical	
Packing	Packing Box & Warranty Card
Ingress Protection	IP-20

LED Display Indication			
Condition	Fault (LED)	Solar (LED)	Charging (LED)
Charging	OFF	ON	Blinking
Solar High/Low	ON	Blinking	OFF
Charged	OFF	ON	ON
Solar Reverse	OFF	Blinking	OFF

ESCC101224

FEATURES

- High speed and high performance micro-controller.
- High reliability with longer operational life.
- Inbuilt protection to avoid battery undercharge and over-charge.
- Inbuilt PWM Technology Charge Controller.
- Automatic Voltage selection for 12V or 24V.
- Solar Prioritization, Compact design.
- Eco friendly.
- Transient and Surge Protection.



Eastman Auto & Power Ltd.

Corporate Office: Quattro Towers, Plot, No. 249 E, Phase IV, Udyog Vihar,
Sector 18, Gurugram, Haryana 122016 | E-mail - support@eaplworld.com
+91-124-4682650 | 78728 78728