



SOLAR POWER PACKS

OFF-GRID MPPT SOLAR SYSTEMS WITH TUBULAR CONVENTIONAL SOLAR BATTERIES

THE EASTMAN ADVANTAGE

- EAPL MPPT systems are designed with MPPT tracking efficiency of >=99.5%
- EAPL MPPT systems deliver 30% more energy vs PWM for the same size of solar panels
- EAPL MPPT saves 30% space for installation of solar panel in addition to saving on money
- · EAPL MPPT is even very effective during cloudy days
- EAPL Solar Kits are designed by team of highly experienced solar experts
- These kits have been carefully configured and technically optimized to give maximum energy yield
- · Highly reliable and most cost effective
- Flexibility in the selection of solar kits size as per needs of the customers
- Easy and mistake proof installation
- Single window consumers delight service support from EAPL for all components



SOLAR OFF-GRID MPPT PCU FEATURES

- Advanced MPPT technology ensures upto 30% more energy extraction from Solar panel as compared to PWM based technology
- Intelligent selection modes for high/medium/low power cut areas
- Pure sine-wave output
- Advanced DSP based technology
- LCD Screen for user convenience
- User configurable parameters through front end wide screen LCD display
- Intelligent mixing of Grid current with solar in case of solar energy shortfall during cloudy days
- * Highest efficiency in its class
- Built-in energy meter for Mains, Battery, Solar and Load
- Temperature compensated (ATC) charging to enhance performance and life of battery upto 30%
- Remote monitoring and data logging feature

SOLAR PV MODULE FEATURES

- Manufactured in India using world class technology
- Premium grade high efficiency 4BB-5BB solar cells
- * Potential Induced Degradation (PID) Resistant
- High transmission glass and cell surface texturing ensures excellent performance even in low light conditions
- More power due to positive power tolerance
- * Weather proof junction box
- Robust anodized non-corroding aluminum frame for long life
- Suitable for all types of solar applications Off-Grid, Gridtie, Hybrid, Bi-directional, DC, etc.
- Designed as per IEC and /or equivalent Standards: IEC 61215-2005, IEC 61730-Ed. 1&2, IEC 61701 & IEC 62804

TUBULAR CONVENTIONAL SOLAR BATTERY FEATURES

- Higher charge efficiency
- Low self discharge
- Ultra low maintenance & higher cycle life
- * Suitable for frequent power cut areas
- * Recommended for tropical climates
- * Level indicator for easy maintenance
- * Reliable & steady performance, even on heavy load
- Eco-friendly aqua trap vent plugs ensuring no acidic fumes







OFF-GRID MPPT SOLAR SYSTEMS WITH TUBULAR CONVENTIONAL SOLAR BATTERIES

Pack-SOI SECOND Pack-SOI Pack-S	U	FF-GRIL	MIPP	I SULAF	RSYSTEM	5 VVIIH I	UBULAH	! CUNVEN	HUNAL SU	JLAH BAT	TERIES
Pack SD SCHOOL Pack SD Pack	Pack #	Pack Model		Solar PCU	Battery	Solar Panels	Back Up from Solar &	Back Up from Solar & Battery	Annual Free Units (KWH) Generation from	share of solar and grid on	Area required for Solar Panels
Procedure Proc	Pack-502		Model	ESM3K/48	EM200SB	EPP265W					
Pack-101 BBCCC12 Op. 1			Rating	3KVA/48V	200Ah	265Wp					
ASPERT 1		B200C10/	Туре	MPPT	TT Solar	Polycrystalline					
Padd-101 BROCKEN_ 40 B			Qty.	1	4	4					
Pais-101			Warranty	24 Months	60 Months	25 years*					
Peol-101 EBMORIAN Procession Process			Model	ESM3K/48	EM20060TT	EPP265W					
BEOLOGIC Sich Sic		B200C20/	Rating	3KVA/48V	200Ah	265Wp					
SS-86 Crg 1	Pack-101		Туре	MPPT	TT Conventional	Polycrystalline					
Paick 101 FSRKASK / Strom FSRKASK / Strom			Qty.	1	4	8					
Pack-201			Warranty	24 Months	36 Months	25 years*					
Pack-SOI		B200C10/	Model	ESM3K/48	EM200SB	EPP265W					
Pack-100 BS00C10/ RS065 RS065			Rating	3KVA/48V	200Ah	265Wp					
BSP66 Gity	Pack-501		Туре	MPPT	TT Solar	Polycrystalline					
Model ESM/SK/4B EM16060TT EPP265W Fairing SKVA/4BV 160Ah 265Wp Fairing SKVA/4BV 160Ah 265Wp Fairing SKVA/4BV 160Ah 265Wp Fairing SKVA/4BV 150Ah 265Wp Fairing SKVA/4BV 200Ah 265Wp Fair			Qty.	1	4	8					
Pack-102 ESKMAK, 6 ESKMSK, 78 ESKMSK, 78 ESKMSK, 78 EM2002017 103265 Pack-104 ESKMSK, 78 EM2002017 103265 Pack-104 ESKMSK, 78 EM2002017 ESKMSK, 78 EM2002017 ESKMSK, 78 EM2002017 ESKMSK, 78 EM2002017 EPP265W E			Warranty	24 Months	60 Months	25 years*					
Pack-102 Pack-103 Pack-104 Pack-105 Pack-105		B160C20/	Model	ESM3K/48	EM16060TT	EPP265W					
Pack 102 S160C20 S1265 S150C10 S1265 S150C10 S1265 S150C10 S1265 S150C10 S1265 S150C10 S1265 S150C10 S1265 S12	Pack-102		Rating	3KVA/48V	160Ah	265Wp					
SS265 Gby. 1			Туре	MPPT	TT Conventional	Polycrystalline					
Model ESM3K/48 EM150SB EPP265W Rating 3KVA/48V 150Ah 265Wp			Qty.	1	8	8					
Pack-503 ESKMSK/8 B150C10 Type			Warranty	24 Months	36 Months	25 years*					
Pack-103 ESKMSK/8 B150C10 Polycrystalline Polycrystalline		B150C10/	Model	ESM3K/48	EM150SB	EPP265W					
Pack-503 B150C10_ S265 Gby.			Rating	3KVA/48V	150Ah	265Wp					
BS265 Oty.	Pack-503		Туре	MPPT	TT Solar	Polycrystalline					
Model ESM5K/96 EM20060TT EPP265W Rating 5KVA/96V 200Ah 265Wp			Qty.	1	8	8					
Pack-103 ESKM5K/8 Pack-104 ESKM5K/1 Fack-104 ESKM5K/1 Fack-104 ESKM5K/1 Fack-104 Fack-104 ESKM5K/1 Fack-104 Fack-104			Warranty	24 Months	60 Months	25 years*					
Pack-103 ESKM5K/8 B200C20 10S265 Type MPPT TT Conventional Polycrystalline S.50 Hours S.5		B200C20/	Model	ESM5K/96	EM20060TT	EPP265W					
Pack-104 Pack-104			Rating	5KVA/96V	200Ah	265Wp					
10S265 Gty.	Pack-103		Туре	MPPT	TT Conventional	Polycrystalline					
Model ESM5K/96 EM200SB EP265W Rating 5KVA/96V 200Ah 265Wp G.50 Hours 3.127 30% from Solar, 70% from Grid 27 Sq. Meter Model ESM5K/96 EM200SB EP265W G.50 Hours 3.10 Hours 3.127 Units 30% from Solar, 70% from Grid Meter Meter Meter Meter Meter Meter Meter Model ESM5K/96 EM16060TT EP265W Rating 5KVA/96V 160Ah 265Wp Rating 5KVA/96V 160Ah 265Wp Gby. Type MPPT TT Conventional Polycrystalline Type Meter Type Meter M			Qty.	1	8	10					
Pack-504 ESKM5K/8 ESKM5K/8 Type MPPT TT Solar Polycrystalline Hours Action Polycrystalline Hours Polycrystalline Hours Polycrystalline Polycrystalline Hours Polycrystalline P			Warranty	24 Months	36 Months	25 years*					
ESKM5K/8 B200C10/10S265 Type MPPT TT Solar Polycrystalline G.50 Hours Hours 3.127 30% from Solar, 70% from Grid 27 Sq. Meter	Pack-504	B200C10/	Model	ESM5K/96	EM200SB	EPP265W					
Pack-504 B200C10			Rating	5KVA/96V	200Ah	265Wp					
10S265 Gty.			Type	MPPT	TT Solar	Polycrystalline					
Model ESM5K/96 EM16060TT EPP265W Rating 5KVA/96V 160Ah 265Wp Pack-104 ESKM5K/1 Type MPPT TT Conventional Polycrystalline Hours 3.50 Hours 4.400 40% from Solar, 60% from Grid Meter Additional of the second o			Qty.	1	8	10					
Pack-104 ESKM5K/1 6B160C20 /14S265 Type MPPT TT Conventional Polycrystalline 7.50 Hours 4,400 Units 40% from Solar, 60% from Grid 38 Sq. Meter			Warranty	24 Months	60 Months	25 years*					
Pack-104 ESKM5K/1 6B160C20 Type MPPT TT Conventional Polycrystalline Type MPPT TT Conventional Polycrystalline Type MPPT TT Conventional Polycrystalline Type Hours Hours Hours 4,400 40% from Solar, 60% from Grid Meter Meter	Pack-104	6B160C20	Model	ESM5K/96	EM16060TT	EPP265W					
Pack-104 68160C20			Rating	5KVA/96V	160Ah	265Wp					
/14S265			Type	MPPT	TT Conventional	Polycrystalline					
Warranty 24 Months 36 Months 25 years*			Qty.	1	16	14					
			Warranty	24 Months	36 Months	25 years*					

*Specifications are subject to charge without, phorhouce due to constant improvement in design and technology.
*Refer to Eastman solar PV module warranty card for further details

OFF-GRID MPPT SOLAR SYSTEMS WITH TUBULAR CONVENTIONAL SOLAR BATTERIES

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Pack #	Pack Model	System Details	Solar PCU	Battery	Solar Panels	Estimated Back Up from Solar & Battery	Estimated Back Up from Solar & Battery on full load	Estimated Annual Free Units (KWH) Generation from Solar	Battery Charging share of solar and grid on full discharge	Estimated Area required for Solar Panels Installation
Pack-105		Model	ESM7K5/120	EM20060TT	EPP265W	4.60 Hours	2.21 Hours	6,254 Units	67% from Solar, 33% from Grid	53 Sq. Meter
		Rating	7.5KVA/120V	200Ah	265Wp					
	ESKM7K5/ 10B200C2 0/20S265	Туре	MPPT	TT Conventional	Polycrystalline					
		Qty.	1	10	20					
		Warranty	24 Months	36 Months	25 years*					
	ESKM5K/1 6B150C10 /14S265	Model	ESM5K/96	EM150SB	EPP265W	10.00 Hours	4.80 Hours	4,400 Units	40% from Solar, 60% from Grid	38 Sq. Meter
		Rating	5KVA/96V	150Ah	265Wp					
Pack-505		Туре	MPPT	TT Solar	Polycrystalline					
		Qty.	1	16	14					
		Warranty	24 Months	60 Months	25 years*					
		Model	ESM7K5/120	EM200SB	EPP265W	5.50 Hours	2.60 Hours	6,254 Units	61% from Solar, 39% from Grid	
		Rating	7.5KVA/120V	200Ah	265Wp					53 Sq. Meter
Pack-506	ESKM7K5/ 10B200C1 0/20S265	Туре	MPPT	TT Solar	Polycrystalline					
		Qty.	1	10	20					
		Warranty	24 Months	60 Months	25 years*					
		Model	ESM10K/120	EM20060TT	EPP265W			6,254 Units	67% from Solar, 33% from Grid	53 Sq. Meter
		Rating	10KVA/120V	200Ah	265Wp					
Pack-107	ESKM10K/ 10B200C2 0/20S265	Туре	MPPT	TT Conventional	Polycrystalline	3.57 Hours	1.78 Hours			
		Qty.	1	10	20					1110001
		Warranty	24 Months	36 Months	25 years*					
	ESKM10K/ 10B200C1 0/20S265	Model	ESM10K/120	EM200SB	EPP265W	4.20 Hours	2.10 Hours	6,254 Units	61% from Solar, 39% from Grid	53 Sq. Meter
Pack-508		Rating	10KVA/120V	200Ah	265Wp					
		Туре	MPPT	TT Solar	Polycrystalline					
		Qty.	1	10	20					
		Warranty	24 Months	60 Months	25 years*					
Pack-106	ESKM7K5/ 20B160C2 0/20S265	Model	ESM7K5/120	EM16060TT	EPP265W	7.00 Hours	3.20 Hours	6,254 Units	48% from Solar, 52% from Grid	53 Sq. Meter
		Rating	7.5KVA/120V	160Ah	265Wp					
		Туре	MPPT	TT Conventional	Polycrystalline					
		Qty.	1	20	20					
		Warranty	24 Months	36 Months	25 years*					
Pack-108	ESKM10K/ 20B160C2 0/20S265	Model	ESM10K/120	EM16060TT	EPP265W	6.00 Hours	2.70 Hours	6,254 Units	50% from Solar, 50% from Grid	53 Sq. Meter
		Rating	10KVA/120V	160Ah	265Wp					
		Туре	MPPT	TT Conventional	Polycrystalline					
		Qty.	1	20	20					
		Warranty	24 Months	36 Months	25 years*					
Pack-507	ESKM7K5/ - 20B150C1	Model	ESM7K5/120	EM150SB	EPP265W	8.50 Hours	4.00 Hours	6,254 Units	48% from Solar, 52% from Grid	
		Rating	7.5KVA/120V	150Ah	265Wp					53 Sq. Meter
		Type	MPPT	TT Solar	Polycrystalline					
		Qty.	1	20	20					
		Warranty	24 Months	60 Months	25 years*					
Pack-509		Model	ESM10K/120	EM150SB	EPP265W					
	ESKM10K/ - 20B150C1 0/20S265 -	Rating	10KVA/120V	150Ah	265Wp	7.00 Hours	3.10 Hours	6,254 Units	48% from Solar, 52% from Grid	53 Sq. Meter
		Type	MPPT	TT Solar	Polycrystalline					
		Qty.	1	20	20					
		Warranty	24 Months	60 Months	25 years*					
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