

# SOLAR POWER PACKS

OFF-GRID MPPT SOLAR SYSTEMS WITH TALL TUBULAR SOLAR GEL BATTERIES

## THE EASTMAN ADVANTAGE

- EAPL MPPT systems are designed with MPPT tracking efficiency of  $\geq 99.5\%$
- 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 platform and processes
- \* 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, Grid-tie, 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

### TALL TUBULAR SOLAR GEL BATTERY FEATURES

- \* High Surface Carbon
- \* Special Grade Separator
- \* Gelled Electrolyte
- \* Valve Regulator Vent Plugs
- \* Micro Pores Woven Gauntlet



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For Dealer & Distributors Stamp

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## AVAILABLE OFF-GRID MPPT SOLAR PACKS WITH TALL TUBULAR SOLAR GEL BATTERIES

Pack Model	System Details	Solar PCU	Battery	Solar Panels	Estimated Battery Back Up on an average 50% Load	Estimated Battery Back up 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
EMSK3K /2120G	Model	ESM3K/48	E225G	EPP265W	5.41 Hours	2.58 Hours	2500 Units	61% from Solar, 39% from Grid	22 Sq. Meter
	Rating	3KVA/48V	200Ah/12V	265Wp					
	Type	MPPT	Tall Tubular Gel-C10	Polycrystalline					
	Qty.	1 No.	4 Nos.	265Wp x 8 = 2120Wp					
	Warranty	24 Months	60 Months	25 Years*					

Pack Model	System Details	Solar PCU	Battery	Solar Panels	Estimated Battery Back Up on an average 50% Load	Estimated Battery Back up 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
EMSK5K /2650G	Model	ESM5K/96	E225G	EPP265W	6.5 Hours	3.1 Hours	3127 Units	30% from Solar, 70% from Grid	27 Sq. Meter
	Rating	5KVA/96V	200Ah/12V	265Wp					
	Type	MPPT	Tall Tubular Gel-C10	Polycrystalline					
	Qty.	1 No.	8 Nos.	265Wp x 10 = 2650Wp					
	Warranty	24 Months	60 Months	25 Years*					

Pack Model	System Details	Solar PCU	Battery	Solar Panels	Estimated Battery Back Up on an average 50% Load	Estimated Battery Back up 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
EMSK7K5 /5300G	Model	ESM7K5/120	E225G	EPP265W	5.5 Hours	2.6 Hours	6254 Units	61% from Solar, 39% from Grid	53 Sq. Meter
	Rating	7.5KVA/120V	200Ah/12V	265Wp					
	Type	MPPT	Tall Tubular Gel-C10	Polycrystalline					
	Qty.	1 No.	10 Nos.	265Wp x 20 = 5300Wp					
	Warranty	24 Months	60 Months	25 Years*					

Pack Model	System Details	Solar PCU	Battery	Solar Panels	Estimated Battery Back Up on an average 50% Load	Estimated Battery Back up 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
EMSK10K /5300G	Model	ESM10K/120	E225G	EPP265W	4.2 Hours	2.1 Hours	6254 Units	61% from Solar, 39% from Grid	53 Sq. Meter
	Rating	10KVA/120V	200Ah/12V	265Wp					
	Type	MPPT	Tall Tubular Gel-C10	Polycrystalline					
	Qty.	1 No.	10 Nos.	265Wp x 20 = 5300Wp					
	Warranty	24 Months	60 Months	25 Years*					