MPPT SOLAR PCU

Exide Aditya MPPT Solar Off-Grid Power Conditioning Units offer a perfect blend of best-in-class technology and design, ensures maximum harness of solar energy and delivers reliable and quality power output. Intelligent power sharing logic automatically selects solar energy as top priority source for recharging of battery and minimizes grid consumption. The wide range of capacities make the product suitable for various off-grid applications and scale of systems.

FEATURES

- Advanced MPPT Technology for higher power extraction from PV Array
- Priority settings consent low grid consumption, consumer savings in electricity bill and extended back-up
- ASIC technology based battery charging for extended battery life
- LCD Display with tri-colour backlight for convenient display of parameters
- Comprehensive in-built protections for reverse polarity, short circuit, battery over-charging etc
- Product performance meets IS 16221 and IEC 62109 specifications

SPECIFICATIONS

EXIDE ADITYA

Model	ADITYA 2K24V	ADITYA 2.5K48V	ADITYA 3.5K48V	ADITYA 5.2K48V	ADITYA 5.2K96V	ADITYA 7.5K120V	ADITYA 10K120V
Rated Capacity (KVA)	2	2.5	3.5	5.2	5.2	7.5	10
Battery Nominal Voltage (V)	24	48	48	48	96	120	120
Maximum PV Input Power (W)	2010	2680	4020	5360	5360	8040	10720
Maximum PV Input Voltage (V)	99		198		396		
MPPT Operating Voltage Range (V)	60 - 80		120 - 160		240 - 320		
Maximum PV Input Current (A)	26.5	35.5	26.5	35.5	17.7	26.5	35.5
No. of Output Phase	1						
Output Power Factor	0.8						
Ingress Protection	IP21						
Dimension (D x W x H in mm)	380 x 370 x 360		530 x 385 x 735			530 x 385 x 785	
Protections	PV reverse polarity, PV reverse current flow, PV surge, grid input over and under voltage, grid frequency out of range, battery over and under voltage, battery overcharge, battery reverse polarity, overload, load short circuit, inverter over-temperature						
Display parameters	Solar power availability, total PV generation, PV current to battery and load, UPS On/Off applied load %, O/P voltage, battery voltage, battery charging/ discharging status, mains I/P voltage, operation mode, overload, short circuit trip, fuse/MCB trip, PV reverse, over-temperature, battery low/ overcharge protection						