



Making Your **DREAMS** Come True **24/7**





ZERO DROP PWM
SOLAR CHARGER
TOPOLOGY



PV REVERSE
PROTECTION



DOUBLE PV VOC
PROTECTION



WORKING MODE
(INTELLIGENT,
HYBRID, SOLAR)



AUTO SELECTION OF
GRID RECONNECT BATTERY
VOLTAGE



ISOLATED GATE
DRIVE FOR SOLAR
CHARGER

Model	850VA	1000VA	1400VA	2000VA
Input (DC)				
BATTERY VOLTAGE	12VDC			24VDC
MAX. BATTERY DISCHARGING CURRENT	78A ± 5A	90A ± 5A	120A ± 5A	90A ± 5A
MAX. BATTERY CHARGING CURRENT	18A ± 3A	20A ± 3A		
SOLAR OPERATING RANGE	(17V - 27V) ±3V	(17V - 27V) ±3V	(17V - 27V) ±3V	(34V - 54V) ±3V
MAX. SOLAR CURRENT	55AMP ± 5A	60AMP ± 5A	75AMP ± 5A	55AMP ± 5A
MAX. SOLAR POWER	900W(150*6), 825W(165*5)	1050W(150*7), 990W(165*6)	1350W(150*9) 1320W(165*8)	2010W(335*6), 2000W(400*5), 2160W(540*4)
EFFICIENCY	>97%			
TYPE OF CHARGER	PWM WITH ISOLATED GATE DRIVE			
OUTPUT AC				
NO LOAD OUTPUT VOLATGE	220V - 235V			
O/P FREQUENCY (NO LOAD & FULL LOAD)	50Hz ± 0.5Hz			
POWER RATING	850W	1000W	1400W	2000W
POWER FACTOR	UNITY			
AC INPUT				
NOMINAL MAINS VOLTAGE	230Vac			
NOMINAL FREQUENCY	50Hz			
MAINS RANGE IN WIDE MODE	(90-290V) ± 10V			
MAINS RANGE IN NARROW MODE	(170-270V) ± 10V			
PROTECTIONS				
MAX TEMP.	90°C ± 10°C			
OUTPUT SHORT CKT	ELECTRONIC CURRENT LIMITING			
INPUT SHORT CKT	CIRCUIT BREAKER			
BATTERY SHORT CKT.	FUSE			



LOW LOSS
MPPT CHARGER
TOPOLOGY



PV REVERSE
PROTECTION



ISOLATED
COMMUNICATION
AND MONITORING



WORKING MODE
(INTELLIGENT,
HYBRID, SOLAR)



AUTO SELECTION OF
GRID RECONNECT BATTERY
VOLTAGE



STATIC
CHANGEOVER

Model	3KVA	5KVA	5.5KVA	10KVA
Input (DC)				
BATTERY VOLTAGE	48VDC		96VDC	120VDC
MAX. BATTERY DISCHARGING CURRENT	62.5 ± 3A	104 ± 3A	57± 3A	84 ± 3A
MAX. BATTERY CHARGING CURRENT	18A ± 3A	20A ± 3A	18A ± 3A	20A ± 3A
SOLAR OPERATING RANGE	80V-165V		200V-400V	200V-500V
MAX. SOLAR CURRENT	35A	62.5A	30A	55A
MAX. SOLAR POWER	3000W	5000W	5500W	10KW
EFFICIENCY	>95%			
TYPE OF CHARGER	MPPT WITH ISOLATED GATE DRIVE (MOSFET)		MPPT WITH ISOLATED GATE DRIVE(IGBT)	
OUTPUT AC				
NO LOAD OUTPUT VOLATGE	220V-235V			
O/P FREQUENCY (NO LOAD & FULL LOAD)	50Hz ± 0.5Hz			
POWER RATING	3000W	5000W	5500W	10KW
POWER FACTOR	UNITY			
AC INPUT				
NOMINAL MAINS VOLTAGE	230V			
NOMINAL FREQUENCY	50Hz ± 0.5Hz			
MAINS RANGE IN WIDE MODE	120V-280V ± 10V			
MAINS RANGE IN NARROW MODE	180-260V ± 10V			
PROTECTIONS				
MAX TEMP.	90°C ± 10°C			
OUTPUT SHORT CKT	ELECTRONIC CURRENT LIMITING			
INPUT SHORT CKT	MCB			
BATTERY SHORT CKT.	FUSE		MCB	

ROOFTOP SOLAR SOLUTIONS



Solar **Battery** | Solar **Panel** | Solar **PCU**



Eastman Auto & Power Ltd.

Corporate Office : 572, Udyog Vihar, Phase-V, Gurugram,
Haryana - 122016, India | E-mail - support@eaplworld.com
Tel. : +91-124-4682650