



**Galo Energy Pvt.Ltd.**

**SOLAR HYBRID INVERTERS  
& MPPT SOLAR HYBRID PCU**



- ▶ **Smart Solar Selection with two different Saving Level Zones.**
- ▶ **Inbuilt MPPT & PWM Solar Charger**
- ▶ **Provision to maintain the Battery gravity charging at 100V (Low Mains).**
- ▶ **Incorporating all the features of conventional sine wave inverter.**
- ▶ **Use with Solar Panel Power & Without Solar Panel.**

**22+**  
Years Solar  
Experience

**100%**  
Made In India

**10 Lac +**  
Solar Systems  
in Rural Areas

**In House**  
Manufacturing =  
Zero Warranty  
Issues

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MODEL	Solar Hybrid Inverter	MPPT Solar Hybrid PCU				
Capacity (VA)	850VA, 1450VA	850VA	1450VA	3000VA	4000VA	6000VA
Nominal Battery Voltage (Vdc)	12V / 24V	12V	24V	48V	48V	96V
Charge Controller Type	PWM	MPPT				
Charge Controller Rating	50A / 12V / 50A / 24V	1KW	1KW	3KW	4KW	5KW
Maximum PV Power	600Wp / 1200Wp	-				
Battery Low Buzzer (Settable)	10.9 (Default Segng)					
Battery Low Cut (Settable)	10.6 (Default Setting)					
Grid Nominal Voltage	230V					
Grid Charging Voltage (Boost)	14.5V					
Grid Charging Voltage (Float)	13.8					
Grid Reconnect@ Battery Voltage	11.9					
Grid Charging Current (Settable)	10A / 15A (Default Setting)					
Grid Low Cut / Recovery (IT & Nor.)	160 / 170 (IT Mode) & 100 / 110 Normal Mode ( $\pm 10V$ )					
Grid High Cut / Recovery (IT & Normal)	260/250 (IT Mode) & 290/280 (Normal Mode)					
Changeover (Battery to Mains) (IT & Normal)	5ms					
Changeover (Mains to Battery) (IT & Normal)	15mS & 80ms			15mS & 60ms		
Inverter Output:-						
Output Phase Nominal	220V $\pm$ 10V					
Output Voltage Nominal Frequency	50Hz $\pm$ 1%					
Load Power Factor	0.75					
Output Waveform	Sine Wave					
Typical Efficiency	0					
Voltage Harmonic	Less 4% (Linear Load)					
Over Load Capacity Protection	Above 100% 3 times retry after shutdown					
Solar Parameters:-						
Input Voltage Range (Voc)	23V / 46V	15-45	30-90	80-210	80-210	170-330
Input Voltage Range (Vmp)	14.5V - 18V / 29V - 36V	Tracking				
Efficiency	>80% (12V)>85% (24V)	>80% (12V), (24V), (48V), (48, 96V)				
SPV Charging Voltage (Boost)	15					
SPV Charging Voltage (Float)	14.2					
Solar Charging Current	40A (Default)					
Control	Voltage and current and reverse					
Type of Charger	Control PWM					
Supported Battery Types	Flat, Tubular, VRLA (SMF)					

**Solar Hybrid Inverter**  
850VA, 1450VA



**MPPT Solar Hybrid PCU**  
850VA, 1450VA, 3000VA, 4000VA, 5000VA

