



36

YEARS
OF LEADERSHIP
IN TECHNOLOGY

PROUDLY
MADE
IN
INDIA



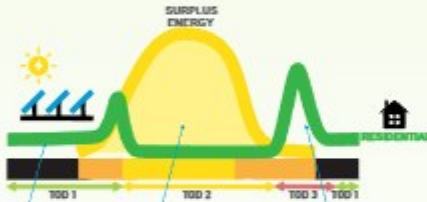
36+ | YEARS OF TRUST
COUNTRY PRESENCE
GLOBAL OEM BRANDS MANUFACTURER

EMPOWERING A GREENER TOMORROW

THE COMPANY WITH OVER FOUR DECADES
OF MANUFACTURING EXPERTISE AND INNOVATION

ENERGY STORAGE SYSTEMS

- A perfect combination of our robust Hybrid inverter technology and an energy pack of Li-Ion battery -it provides enough punch to run your heavy duty loads like air conditioners, compressors, etc.
- This grid-synchronised plus storage-based solar pack promises 100% utilisation of power as compared to conventional solar PCUs.
- You can now store the electricity as per time-of-day (TOD) and export to the grid during lean load periods or when you are not at home.
- Run your loads on this heavy-duty inverter system and get rid of high electricity bills.



ESS With LiPO4 Battery

TECHNICAL DATASHEET		
INVERTER MODEL	IR-A610	IR-B6W
Rated Output Power	5000VA / 5000W	8000VA / 8000 W
INPUT		
Voltage		230 VAC
Selectable Voltage Range		170-280 VAC (For computers) ; 90-280 VAC (for Home Appliances)
Frequency Range		50 Hz / 60 Hz (Auto Sensing)
OUTPUT		
AC Voltage Regulation (Batt. Mode)		230VAC ± 5 %
Surge Power	10000 VA	16000 VA
Efficiency (Peak)		93%
Transfer Time		15ms (for Personal Computers), 20ms (For Home Appliances)
Waveform		Pure Sine Wave
SOLAR CHARGER & AC CHARGER		
Solar Charger Type		MPPT
Maximum PV Array Power	5000 W	8000 W (4000W x 2)
MPPT Range Operating Voltage	120 ~ 450 VDC	90~650 VDC
Maximum PV Array Open Circuit Voltage		500 VDC
Maximum Solar Charge Current	100 A	150 A
Maximum AC Charge Current	100 A	150 A
Maximum Charge Current	100 A	150 A
PHYSICAL		
Dimension, (DxWxH) (mm)	210 X 621 X 530	214 X 621 X 500
Net Weight (kgs)	15	25
STANDARD		
Compliance Safety	IEC/EN 62109-1/-2, EN 61000-6-4, EN 61000-6-2	IEC/EN 62109-1/-2, EN 61000-6-4, EN 61000-6-2, IEC/EN IEC 61000-3-11, IEC/EN 61000-3-12, IEC 61563
BATTERY MODULE	IR-B-4810	IR-B-4810
CAPACITY	5120 Wh	5000 Wh
PARAMETERS		
Nominal Voltage		51.2 VDC
Full Charge Voltage (FC)		56V
Full Discharge Voltage (FD)		42V
Typical Capacity		100Ah
Max. Continuous Discharging Current		150A
Max. Discharging Current		192A at 1 min
Protection		BMS Breaker
Charge Voltage		56V
Charge Current		20A (0.2C)
Maximum Charge Current		50A (0.5C)
Standard Charge Method		0.2C CC (Constant Current) charge to FC, CV (Constant Voltage) C Charge till charge current decline to < 0.05C
Inner Resistance		<20m ohm
PARAMETERS		
Dimension, (DxWxH) (mm)	210 x 621 X 551	214 X 621 X 550
Net Weight (kgs)		55
STANDARD		
Compliance Safety		IEC 2615, EN 61000-6-3, EN 61000-6-1, UNCE, UN38.3



Timed Scheduling Features



Synchronises with Grid for Power Export



Plug 'N' Play A Drawing Room solution



Runs your heavy loads