



Hykon®

Powering the Nation



GREEN INLINE UPS



APPLICATION AREA



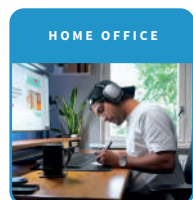
ATMS



RETAIL SHOPS



CLINIC & LABS



HOME OFFICE



6 Stage Charging



Multi Battery compatibility



Smart Charger Indication



Inbuilt Battery Gravity Booster



Dual Display



Intelligent ITM*



Generator Compatibility



AVR Function



Grid charging at low voltage condition



Auto Restart



Reverse polarity protection



Less watt loss core inside



Quiet mode



Energy saving mode



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*Terms & Conditions Apply

Technical Specification

Model	GR+ 1000	GR+ 2000	GR+ 3000	GR+ 5000
Capacity	1000VA	2000VA	3000VA	5000VA
DC Battery Voltage	12V	24V	48V	72V
INPUT				
Nominal Voltage	230V			
Supply	Single phase			
Voltage range	145V – 275V			
Regulations on mains	Automatic Voltage Regulations			
Nominal Frequency	50Hz (Auto Sensing)			
Frequency range	50Hz ± 10%			
OUTPUT				
Voltage Range (Mains)	230V ± 10%			
Voltage Range (Batt)	230V ± 1%			
Voltage Selection	210v, 220v, 230v,240v			
Frequency	50Hz ± 1%			
Power Factor	0.7PF			
Peak Load (Bulb)	700W	1400W	2100W	3500W
Output THD	≤ 5%			
Efficiency	>97% (Eco Mode) >82% (UPS Mode)		>97% (Eco Mode) >85% (UPS Mode)	
Waveform	Pure sine wave			
Transfer time Mains-Bat	1-6 ms (Typical)			
BATTERY				
Charging current	1-15A settable (Default-10A)			
Compatibility	Tubular/SMF/LiFePO4/Gel			
Maximum Capacity allowed	200 Ah			
USER INTERFACE				
LCD display	Input voltage, Output voltage, Charger Amp, Frequency, Battery voltage Load in %, Battery low, Overload, short circuit, Error Codes			
LED	Mains On, Inverter On, Charger On, Overload, Battery Low, Input MCB/Fuse failed			
Audio Indications	Power failure, power restoring, low battery, over temperature, overload, short circuit			
Switch & Controls	ON, OFF, SCROLL			
GENERAL				
Protections	Grid Input over/under voltage, Grid frequency out of range, Battery over/under voltage, Battery overcharge, Overload, short circuit, Inverter over temperature			
Termination	Input-3 Pin AC Cord with 6A Top, Output-6A x3 socket	Input-3 Pin AC Cord 16A Top, Output-16A x 1 socket	32A 5-Way Power Connector	
Ingress Protection	IP21			
Dimensions (L x B x H) mm	316 x 175 x 260		480 x 210 x 375	480 x 210 x 415
Net Weight (Approx.)	10Kg	15Kg	30Kg	42Kg
Mounting	Floor			
Application	Offices, Educational Institutes, Hospitals, Home, Banking Sector			

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LiFePO4 Battery Pack			
Nominal Voltage/ Capacity	12.8 V/100Ah	25.6V/100Ah	48V/100Ah
Charging Current	10 A	10 A	10 A
Max Discharging Current	80A	70A	60A
Charging Voltage	14.2 V	28.4 V	53.25 V
Protection	Over charge, Under Voltage short circuit, Over discharge, Over Temperature, Over Current		
Dimension	315 x 175 x 212	361 x 175 x 322	480 x 210 x 375
Weight (Approx.)	13 KG	26KG	38 KG
Termination	M8 bolt		

Features

- Smart indications for identifying charging stages
- Support all types of popular batteries
- Smart AI Charger with 6-stage charging
- Smart Charger indication for easily identifying charging stages
- IGB-Intelligent Gravity Booster for increasing battery life span
- Generator Compatibility
- ITM- Intelligent thermal management
- Dual Display LCD+ LED
- Soft Touch button
- 12 bit DSP
- Soft Start Button
- Latest Multi-tasking DSPIC
- RS 232/SNMP Optional
- Crest Factor 3:1
- Soft Start & Cold Start Function
- Grid Charging at low voltage condition

Protections

- Input OV/UV
- Output OV/UV
- Input frequency out of range
- Battery over/under voltage
- Battery overcharge
- Overload
- Short circuit
- Over temperature

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