



Life is always switched on!



**V-GUARD**®

**Inverter, Digital UPS  
& Battery**



V-Guard.

Quality you can trust

Contact: 93 88 99 55 41

V-Guard, India's leading electric and electronic consumer products brand, is a name trusted by over 50 million customers for the past three decades. Renowned for innovative products, world-class quality standards and technological excellence, it is also India's No.1 Stabilizer brand.

V-Guard offers a wide range of products built for modern living, including Electronic Stabilizers, Digital Stabilizers, Stabilizer for Air Conditioner, UPS, Digital UPS, Electric Water Heaters, Solar Water Heaters, Pumps, Wiring Cables, Industrial Cables and Fans. Designed and developed by V-Guard's ISO 9001 - 2008 certified R&D, these products are made from high - quality components; quality checked at all stages through the manufacturing process and equipped with latest technology and advanced features to deliver superior performance.

V-Guard products are available with more than 9000 authorized Dealers and 250 Distributors located across 19 States.



V-Guard Digital UPS is a state-of-the-art product from V-Guard- India's leading electrical and electronic consumer product manufacturer.

An innovative power back-up device, V-Guard Digital UPS, designed and developed by V-Guard's ISO 9001-2008 certified R&D, comes with the latest technology and unique features to handle power failures efficiently.

Designed for contemporary living, V-Guard Digital UPS, compared to ordinary generator is stylish in looks, ultra-compact, light - weight, noise-free, pollution-free and can be kept indoors.

Made from high-quality components, V-Guard Digital UPS is equipped with advanced Micro-Controller based line Interactive Technology and a host of features like MOSFET based Power Stage with PWM output, FRCM (Fly-back Reactance Charging Method) with UST (Uni Polar Switching Technology) for uninterrupted back-up during power failures.

Extra-efficient, easy to use, convenient, cheaper in price compared to conventional generators, maintenance-free and low on service costs as the only requirement is periodic servicing of batteries, V-Guard Digital UPS ensures you problem-free working for years; and come with a 2-year warranty. And being a product of V-Guard, it comes to you with the promise of "unmatched quality", ensured through several stringent quality control checks conducted at every stage of the manufacturing process.

## Switch on to happiness



### DU SERIES - Sine Wave Models

- Latest DSP based technology ensures maximum reliability
- Sine wave output • Soft Start facility • Intelligent audio/visual indications • Generator compatibility • Advanced MOSFET based Power stage with PWM output • Intelligent Thermal Management. SMPS based Smart Charger • Battery over charge / Deep discharge protection • Quick Battery charging mode
- Selectable Battery option. • Smart Overload and Short Circuit Protection • Space saving Design • Option of wheel-mounted trolley • Mains Bypass facility • Silent Operation (20KHz Switching Frequency) • Wide charging current range of 8-12A • 2 Years warranty



## DU 600 Plus

### DU 600 Plus Technical Specifications

Capacity	600 VA
Normal Mode Working range	100V – 280V ± 10V
UPS Mode Working range	180V – 260V ± 10V
Output waveform (Back up)	Pure sine Wave
Output voltage (on battery)	210V ± 10%
Output frequency (on battery)	50Hz ± 1%
Output voltage (on mains)	Same as input voltage
Calibration accuracy	± 2.5%
UPS Mode Transfer time	< 12 ms
NORM. Mode Transfer time	< 40 ms
Back-up time	Variable, depending on connected load and Battery capacity
Recommended Battery	12V/100AH, 1 No.
Inverter Efficiency	>80%
Charger	H Bridge based Boost Mode charging
Charging Modes	Normal charging Mode(9A). High charging Mode(12A).

Charging time @ 230V input	8 – 10 Hrs approximately for 100Ah battery.
Protections	Overload, short circuit, battery deep discharge, battery over charge, mains low or high input voltage, Over temperature protection.
Soft start	Provided.
Generator compatibility	Provided.
Spec of Cabinet	Metal cabinet with ABS front panel
Spec of Cabinet Carton	5 Ply multi colour carton
Net Weight	8.6 Kg
Gross Weight	9.4Kg
Warranty	24 Months
Application	One computer with 43cm colour monitor, one Inkjet printer and one scanner

#### SALIENT FEATURES

- DSP Based Design • Sine wave output • High Frequency Design • Soft Start facility • Intelligent audio/visual indications • Generator compatibility
- Advanced MOSFET based Power stage with PWM output • Intelligent Thermal Management • SMPS based Smart Charger • Battery over charge / Deep discharge protection • Quick Battery charging mode • Selectable Battery option • Smart Overload and Short Circuit Protection • Space saving Design
- Option of wheel-mounted trolley.

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## DU 800 Plus



### DU 800 Plus Technical Specifications

Capacity	800 VA
Normal Mode Working range	100V – 280V ± 10V
UPS Mode Working range	180V – 260V ± 10V
Output waveform (Back up)	Pure sine Wave
Output voltage (on battery)	210V ± 10%
Output frequency (on battery)	50Hz ± 1%
Output voltage (on mains)	Same as input voltage
Calibration accuracy	± 2.5%
UPS Mode Transfer time	< 12 milliseconds
NORM. Mode Transfer time	< 40milliseconds
Back-up time	Variable, depending on connected load and Battery capacity
Recommended Battery	12V/100AH, 1 No.
Inverter Efficiency	≥80%
Charger	H Bridge based Boost Mode charging
Charging Modes	Normal charging Mode(9A). High charging Mode(12A).

Charging time @ 230V input	8 – 10 Hrs approximately for 100Ah battery.
Protections	Overload, short circuit, battery deep discharge, battery over charge, mains low or high input voltage, Over temperature protection.
Soft start	Provided.
Generator compatibility	Provided.
Spec of Cabinet	Metal cabinet with ABS front panel
Spec of Cabinet Carton	5 Ply multi colour carton
Net Weight	9.7 Kg
Gross Weight	10 Kg
Warranty	24 Months
Application	Two computer with 43cm colour monitor, one Inkjet printer and one scanner

#### SALIENT FEATURES

- DSP Based Design • Sine wave output • High Frequency Design • Soft Start facility • Intelligent audio/visual indications • Generator compatibility
- Advanced MOSFET based Power stage with PWM output • Intelligent Thermal Management • SMPS based Smart Charger • Battery over charge / Deep discharge protection • Quick Battery charging mode • Selectable Battery option • Smart Overload and Short Circuit Protection • Space saving Design
- Option of wheel-mounted trolley.

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## DU 1400 Plus

### DU 1400 Plus Technical Specifications

Capacity	1400 VA
Normal Mode Working range	100V – 280V ± 10V
UPS Mode Working range	180V – 260V ± 10V
Output waveform (Back up)	Pure sine Wave
Output voltage (on battery)	210V ± 10%
Output frequency (on battery)	50Hz ± 1%
Output voltage (on mains)	Same as input voltage
Calibration accuracy	± 2.5%
UPS Mode Transfer time	< 12 milliseconds
NORM. Mode Transfer time	< 40milliseconds
Back-up time	Variable, depending on connected load and Battery capacity
Recommended Battery	12V/100AH, 2No
Inverter Efficiency	≥80%
Charger	H Bridge based Boost Mode charging
Charging Modes	Normal charging Mode(9A). High charging Mode(11A).

Charging time @ 230V input	8 – 10 Hrs approximately for 100Ah battery.
Protections	Overload, short circuit, battery deep discharge, battery over charge, mains low or high input voltage, Over temperature protection.
Soft start	Provided.
Generator compatibility	Provided.
Spec of Cabinet	Metal cabinet with ABS front panel
Spec of Cabinet Carton	5 Ply multi colour carton
Net Weight	15.7 Kg
Gross Weight	17 Kg
Warranty	24 Months
Application	Four computer with 43cm colour monitor, one Inkjet printer and one scanner

#### SALIENT FEATURES

- DSP Based Design • Sine wave output • High Frequency Design • Soft Start facility • Intelligent audio/visual indications • Generator compatibility
- Advanced MOSFET based Power stage with PWM output • Intelligent Thermal Management • SMPS based Smart Charger • Battery over charge / Deep discharge protection • Quick Battery charging mode • Selectable Battery option • Smart Overload and Short Circuit Protection • Space saving Design
- Option of wheel-mounted trolley.

**Contact: 93 88 99 55 41**



# Life.

It's always brighter  
with a V-Guard Digital UPS

## EI POWER SERIES Pseudo Sine Wave Models

- Micro controller based MOSFET technology
- Space saving Design
- Intelligent audio/visual indications
- Advance battery management charging incorporated
- Generator Compatibility
- Intelligent Thermal Management
- Reverse phase indication
- Quick battery charging mode
- Battery over charge / deep discharge protection
- Smart Overload and short circuit protection
- Space saving Design
- Option of wheel-mounted trolley
- 2 Years Warranty.

# Contact: 93 88 99 55 41



## Ei Power 300 Plus

### Ei Power 300 PLUS Technical Specifications

Model	Ei Power 300 Plus
Capacity	300 VA
Normal working range	
Normal Mode	115V to 280VAC $\pm$ 5V
UPS Mode	180V to 265VAC $\pm$ 5V
Output waveform (Back up)	Pseudo sinewave
Output voltage (on battery)	156V - 251V
Output frequency (on battery)	50Hz $\pm$ 1%
Output voltage (on mains)	Same as input voltage
Calibration accuracy	$\pm$ 2.5 %
Transfer time	
UPS Mode	< 12 milliseconds
NORM. Mode	< 40 milliseconds
Back-up time	Variable, depending on connected load and battery capacity.
Recommended Battery	12V/65AH, 1 No.
Inverter Efficiency	>70%
Charger	SCR based charger

Charging Modes	7A (Only single charging mode present)
Charging time @ 230V input	8 -10 Hrs approximately for 65 Ah battery.
Protections	Overload, short circuit, battery deep discharge, battery over charge, mains low or high input voltage.
Changeover	Synchronized quick changeover (only in UPS mode) from mains to inverter and back
Soft start	Provided
Generator compatibility	Provided
Net Weight	4.736Kg
Gross Weight	5.082Kg
Dimensions of product	230mm X 202mm X 108mm
Dimensions of Carton	265mm X 260mm X 145mm
Carton Details	3ply color carton
Application	One computers with 43cm LCD Monitor.



## Ei Power 600 Plus



### Ei Power 600 Plus Technical Specifications

Capacity	600 VA
Normal Mode Working range	115V – 280V $\pm$ 5V
UPS Mode Working range	180V – 265V $\pm$ 5V
Output waveform (Back up)	Pseudosinewave
Output voltage (on battery)	170V - 255V $\pm$ 5V
Output frequency (on battery)	50Hz $\pm$ 1%
Output voltage (on mains)	Same as input voltage
Calibration accuracy	$\pm$ 2.5%
UPS Mode Transfer time	< 12 milliseconds
NORM. Mode Transfer time	< 40milliseconds
Back-up time	Variable, depending on connected load and Battery capacity
Recommended Battery	12V/100AH, 1 No.
Inverter Efficiency	$\geq$ 80%
Charger	SCR based charger
Charging Modes	Normal charging mode (9A). High charging mode (12A).

Charging time @ 230V input	8 – 10 Hrs approximately for 100Ah battery.
Protections	Overload, short circuit, battery deep discharge, battery over charge, mains low or high input voltage, over temperature protection.
Soft start	Provided.
Generator compatibility	Provided.
Spec of Cabinet	Metal cabinet with ABS front panel
Spec of Cabinet Carton	5 Ply multi colour carton
Net Weight	9 Kg
Gross Weight	9.8 Kg
Warranty	24 Months
Application	One computer with 43cm colour monitor, one Inkjet printer and one scanner

#### SALIENT FEATURES

- Microcontroller based line interactive technology
- Space saving design
- Pseudo sine wave output
- Soft Start facility
- Intelligent audio/visual indications
- Generator compatibility
- Intelligent Thermal Management
- SCR based Smart Charger
- Battery over charge / Deep discharge protection
- Quick Battery charging mode
- Smart Overload and Short Circuit Protection.

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## Ei Power 800 Plus

### Ei Power 800 Plus Technical Specifications

Capacity	800 VA
Normal Mode Working range	115V – 280V ± 5V
UPS Mode Working range	180V – 265V ± 5V
Output waveform (Back up)	Pseudosinewave
Output voltage (on battery)	170V - 255V ± 5V
Output frequency (on battery)	50Hz ± 1%
Output voltage (on mains)	Same as input voltage
Calibration accuracy	± 2.5%
UPS Mode Transfer time	< 12 milliseconds
NORM. Mode Transfer time	< 40milliseconds
Back-up time	Variable, depending on connected load and Battery capacity
Recommended Battery	12V/100AH, 1 No.
Inverter Efficiency	≥80%
Charger	SCR based charger
Charging Modes	Normal charging Mode(9A). High charging Mode(12A).

Charging time @ 230V input	8 – 10 Hrs approximately for 100Ah battery.
Protections	Overload, short circuit, battery deep discharge, battery over charge, mains low or high input voltage, Over temperature protection.
Soft start	Provided.
Generator compatibility	Provided.
Spec of Cabinet	Metal cabinet with ABS front panel
Spec of Cabinet Carton	5 Ply multi colour carton
Net Weight	9.6 Kg
Gross Weight	10.4 Kg
Warranty	24 Months
Application	Two computers with 43cm colour monitor, One Inkjet printer and one scanner

#### SALIENT FEATURES

- Microcontroller based line interactive technology
- Space saving design
- Pseudo sine wave output
- Soft Start facility
- Intelligent audio/visual indications
- Generator compatibility
- Intelligent Thermal Management
- SCR based Smart Charger
- Battery over charge / Deep discharge protection
- Quick Battery charging mode
- Smart Overload and Short Circuit Protection.

## Ei Power 1400 Plus



### Ei Power 1400 Plus Technical Specifications

Capacity	1400 VA
Normal Mode Working range	115V – 280V ± 5V
UPS Mode Working range	180V – 265V ± 5V
Output waveform (Back up)	Pseudosinewave
Output voltage (on battery)	170V - 255V ± 5V
Output frequency (on battery)	50Hz ± 1%
Output voltage (on mains)	Same as input voltage
Calibration accuracy	± 2.5%
UPS Mode Transfer time	< 12 milliseconds
NORM. Mode Transfer time	< 40 milliseconds
Back-up time	Variable, depending on connected load and Battery capacity
Recommended Battery	12V/100AH, 2 No
Inverter Efficiency	≥80%
Charger	SCR based charger
Charging Modes	Normal charging Mode(11A). High charging Mode(13A).

Charging time @ 230V input	8 – 10 Hrs approximately for 100Ah battery.
Protections	Overload, short circuit, battery deep discharge, battery over charge, mains low or high input voltage, Over temperature protection.
Soft start	Provided.
Generator compatibility	Provided.
Spec of Cabinet	Metal cabinet with ABS front panel
Spec of Cabinet Carton	5 Ply multi colour carton
Net Weight	16 Kg
Gross Weight	17.2 Kg
Warranty	24 Months
Application	4 computer with 43cm colour monitor, one Inkjet printer and one scanner

#### SALIENT FEATURES

- Microcontroller based line interactive technology • Space saving design • Pseudo wave output • Soft Start facility • Intelligent audio/visual indications
- Generator compatibility • Intelligent Thermal Management • SCR based Smart Charger • Battery over charge / Deep discharge protection • Quick Battery charging mode • Smart Overload and Short Circuit Protection.



Say goodbye to  
power failure !

## POWER SERIES

- Advanced surge protection upto 300% • Advanced time delay function
- Latest DSP based technology • Sine wave output • Soft Start facility
- Intelligent audio/visual indications • Generator compatibility • Advanced MOSFET/IGBT based Power stage with PWM output • Intelligent Thermal Management. • SMPS based Smart Charger • Battery over charge / Deep discharge protection • Smart Overload and Short Circuit Protection • Mains Bypass facility • Silent Operation (20KHz Switching Frequency) • 2 Years warranty

# DU 2500



## DU 2500 Technical Specifications

Model	DU 2500
Capacity	2500 VA
D.C Bus Voltage	48V D.C
Working range & Input frequency	Normal mode: 100 V – 280 V, 50 Hz $\pm$ 1 Hz UPS Mode: 180 V – 260 V, 50 Hz $\pm$ 1 Hz
Output Voltage	On mains : Same as input Battery : 220 V $\pm$ 7%, 50 Hz $\pm$ 1 Hz
Output Waveform	Sine wave
Transfer Time Mains to inverter	Normal mode:< 40ms UPS Mode:<= 10ms
Transfer Time Inverter to Mains	Normal mode:< 25ms UPS Mode:< 10ms
Charger Working range	Normal Mode: 150 V – 280 V UPS Mode: 180V - 260V
Charging current	10 A $\pm$ 2A
Full Load O/P Current	8.5 $\pm$ 0.7A
Charging topology	Boost mode
Inverter topology	H - Bridge

Over Load Retry	6 Times
Low Battery Retry	4 times
Short Circuit retry	1 time
Recommended Battery	12 V , 100 Ah / 150 Ah , 4 No
Backup time	Depends up on connected Load
Soft start	Provided
Generator compatibility	Provided
Operating Temperature	0 to 45°C
Protections	Over load , Short circuit , Battery Deep discharge , Battery Over charge ,Mains Low, Mains High, Thermal protection
Product Dimension	320mm x 255mm x 400 mm
Net Weight of Product	27 Kg $\pm$ 1 kg
Dimension after packing	485mm x 410mm x 610 mm
Gross Weight (With wooden Packing)	35 Kg $\pm$ 2 Kg
Application	Six computers with 17 " colour monitor & one Inkjet Printer

Contact: 93 88 99 55 41



# DU 3500

## DU 3500 Technical Specifications

Model	DU 3500
Capacity	3500 VA
D.C Bus Voltage	48V D.C
Working range & Input frequency	Normal mode: 100 V – 280 V , 50 Hz $\pm$ 1 Hz UPS Mode: 180 V – 260 V , 50 Hz $\pm$ 1 Hz
Output Voltage	On mains : Same as input Battery : 220 V $\pm$ 7% V , 50 Hz $\pm$ 1 Hz
Output Waveform	Sine wave
Transfer Time Mains to inverter	Normal mode:< 40ms UPS Mode:<= 10ms
Transfer Time Inverter to Mains	Normal mode:< 25ms UPS Mode:< 10ms
Charger Working range Normal Mode	Normal Mode: 150 V – 280 V UPS Mode: 180 V – 260 V
Charging current	10 A $\pm$ 2A
Full Load O/P current	10.5 A $\pm$ 0.5A
Charging topology	Boost mode
Inverter topology	H - Bridge

Recommended Battery	12 V , 100 Ah / 150 Ah , 4 No
Backup time	Depends up on connected load
Protections	Over load , Short circuit , Battery Deep discharge , Battery Over charge ,Mains Low, Mains High, Thermal protection
Soft start	Provided
Generator compatibility	Provided
Over Load Retry	6 Times
Low Battery Retry	4 times
Short Circuit retry	1 time
Operating Temperature	0 to 45°C
Dimensions of Product	320 mm X 255 mm X 400 mm
Net Weight of Product	34 kg
Dimension after packing	485mmX 410 mm X 610 mm
Gross Weight (With wooden Packing)	39 kg
Application	Eight computers with 17 “ colour monitor & one Inkjet Printer

**Contact: 93 88 99 55 41**

# DU 5500



## DU 5500 Technical Specifications

Model	DU 5500
Capacity	5500 VA
D.C Bus Voltage	96V D.C
Working range & Input frequency	Normal mode: 125 V – 280 V , 50 Hz $\pm$ 1 Hz UPS Mode: 180 V – 260 V , 50 Hz $\pm$ 1 Hz
Output Voltage	On mains : Same as input Battery : 220 V $\pm$ 7 % , 50 Hz $\pm$ 1 Hz
Output Waveform	Sine wave
Transfer Time Mains to inverter	Normal mode: < 40ms UPS Mode: <= 10ms
Transfer Time Inverter to Mains	Normal mode: < 25ms UPS Mode: < 10ms
Charger Working range	Normal Mode: 150 V – 280 V UPS Mode: 180V - 260V
Charging current	10 A $\pm$ 2A
Full Load O/P Current	17 A $\pm$ 0.5A
Charging topology	Boost mode
Inverter topology	H - Bridge

Recommended Battery	12 V , 100 Ah / 150 Ah , 8 No's
Backup time	Depends up on connected load
Protections	Over load , Short circuit , Battery Deep discharge , Battery Over charge ,Mains Low, Mains High, Thermal protection
Soft start	Provided
Generator compatibility	Provided
Over Load Retry	6 Times
Low Battery Retry	4 times
Short Circuit retry	1 time
Operating Temperature	0 to 45°C
Dimensions of Product	350 mm X 300 mm X 400 mm
Net Weight of Product	43 kg
Dimension after packing	495mm X 480 mm X 650mm
Gross Weight (With wooden Packing)	53 kg
Application	12 computers with 17 " colour monitor & one Inkjet Printer



## DU 10000

### DU 10000 Technical Specifications

Model	DU 10000
Capacity	10000 VA
D.C Bus Voltage	180V D.C
Working range & Input frequency	Normal mode: 125 V – 280 V , 50 Hz ± 1 Hz UPS Mode: 180 V – 260 V , 50 Hz ± 1 Hz
Output Voltage	On mains : Same as input Battery : 230 V ± 5V , 50 Hz ± 1 Hz
Output Waveform	Sine wave
Transfer Time Mains to inverter	Normal mode: < 40ms UPS Mode: <= 10ms
Transfer Time Inverter to Mains	Normal mode: < 25ms UPS Mode: < 10ms
Charger Working range Normal Mode	Normal Mode: 150 V – 280 V UPS Mode : 180 V – 250 V
Charging current	10 A ± 2A
Full Load Current	34 A ± 0.5A
Charging topology	Boost mode
Inverter topology	H - Bridge
Recommended Battery	12 V , 100 Ah / 150 Ah , 15 No

Backup time	Depends up on connected load
Protections	Over load , Short circuit , Battery Deep discharge , Battery Over charge ,Mains Low, Mains High, Thermal protection
Soft start	Provided
Generator compatibility	Provided
Over Load Retry	6 Times
Low Battery Retry	4 times
Short Circuit retry	1 time
Operating Temperature	0 to 45°C
Protections	Over load , Short circuit , Battery Deep discharge , Battery Over charge ,Mains Low, Mains High, Thermal protection
Dimensions of Product	410 mm X 350 mm X 660 mm
Net Weight of Product	83 kg
Dimension after Packing	545mm X 480 mm X 770 mm
Gross Weight (With wooden Packing)	98 kg
Application	25 computers with 17 " colour monitor & one Inkjet Printer

**Contact: 93 88 99 55 41**





## Batteries

V-Guard very low maintenance battery which is designed for demanding home UPS applications has the distinctive advantage of requiring less topping up from the date of sale.

The spines & grids of the battery are cast with innovative alloy and its thick, modified plates ensure long life & greater reliability.

- Up to 40% Extra Back UP
- Long service life
- Tubular positive plates-
  - Excellent corrosion resistance & long life
- Heavy duty plates-
  - Excellent cycle life
- Low rate of self Discharge
- Robust & aesthetically superior PPCP container
- Stronger, sturdier & attractive packaging
- Deep cycle design

## TUBULAR BATTERY SERIES



### VT 80

Capacity	80AH C20@27°C
Application	Digital UPS / UPS / etc.
Specification:	
Number of plate per cell	
Positive plates	3 Nos
Negative plates	4 Nos.
Back-up time in hours with 400W bulb load	1 hour 5 minutes to 54 hours*
Dimension of Container (mm ± 3mm)	
Length	495 mm
Width	215 mm
Height	225 mm
Weight of battery (kg ± 5%)	
Dry weight	23 Kg
Filled weight	36 Kg
Gross weight	38 Kg
Acid Volume ( ± 2 Ltrs.)	10 Ltrs.
Specific gravity of Electrolyte at Fullcharge	1245 ± 0.005. Sp. Gr. Liters/Cell
Colour of carton	Multi Colour
Spec of carton	530mm x 285mm x 350mm (L x B x H)
Standard warranty	18 months
Pro-Rated warranty	30 months

\* depends upon connected load



### VT 100

Capacity	100AH C20@27°C
Application	Digital UPS / UPS / etc.
Specification:-	
Number of plate per cell	
Positive plates	4 Nos.
Negative plates	5 Nos.
Back-up time in hours with 400W bulb load	1 hours 30 minutes to 54 hours*
Dimension of Container (mm +5%)	
Length	495mm
Width	215 mm
Height	225 mm
Weight of battery (kg ± 5%)	
Dry weight	24 Kg
Filled weight	42 Kg
Gross weight	43 Kg
Acid Volume ( ± 2 Ltrs.)	11 Ltrs.
Specific gravity of Electrolyte at Fullcharge	1245 ± 0.005. Sp.Gr.Liters/cell
Colour of carton	multi colour
Spec of carton	535mm x 235mm x 305mm (L x B x H)
Standard warranty	24 months
Pro-Rated warranty	36 months

\* depends upon connected load

## VT 135



Capacity	135 AH C20@27°C
Application	Digital UPS/UPS/etc...
Specification:-	
Number of plate per cell	
Positive plates	3 Nos
Negative plates	4 nos
Back-up time in hours with 400W bulb load	2 hours to 54 hours*
Dimension of container (± 3 mm)	
Length	501 mm
Width	188 mm
Height	367mm
Weight of battery (kg ± 5%)	
Dry weight	37.00 Kg
Filled weight	58.00 kg
Gross weight	60.00 kg
Acid volume (± 2Ltrs)	23 ltrs
Specific gravity of Electrolyte at Fullcharge	1245 ± 0.005. Sp.Gr.Liters/cell
Colour of carton	multi colour
Spec of carton	530mmx215mmx500mm (LxBxH)
Standard warranty	36 months
Pro-Rated warranty	54 months

\* depends upon connected load



## VT 150

Capacity	150AH C20@27° C
Application	Digital UPS/UPS/etc...
Specification:-	
Number of plate per cell	
Positive plates	3 Nos
Negative plates	4 nos
Back-up time in hours with 400W bulb load	2 hours 15 minutes to 54 hours*
Dimension of container (± 3 mm)	
Length	501 mm
Width	188 mm
Height	367 mm
Weight of battery (kg ± 5%)	
Dry weight	38 kg
Filled weight	60kg
Gross weight	62 kg
Acid volume (± 2Ltrs)	23 ltrs
Specific gravity of Electrolyte at Fullcharge	1245 ± 0.005. Sp.Gr.Liters/cell
Colour of carton	multi colour
Spec of carton	530 mm x 215 mm x 500 mm (Lx BxH)
Standard warranty	36 months
Pro-Rated warranty	54 months

\* depends upon connected load

## VT 180



Capacity	180AH C20@27°C
Application	Digital UPS / UPS / etc.
Specification:-	
Number of plate per cell	
Positive plates	4 Nos.
Negative plates	5 Nos.
Back-up time in hours with 400W bulb load	3 hours to 54 hours*
Dimension of Container (mm ± 3mm)	
Length	501 mm
Width	188mm
Height	367 mm
Weight of battery	
Dry weight	44.00 Kg
Filled weight	69.00 Kg
Gross weight	71.00 Kg
Acid Volume ( ± 2 Ltrs.)	20 Ltrs.
Specific gravity of Electrolyte at Fullcharge	1245 ± 0.005. Sp. Gr. Liters/Cell
Colour of carton	multi colour
Spec of carton	520mm x 285mm x 350mm (L x B x H)
Standard warranty	36 months
Pro-Rated warranty	54 months

\* depends upon connected load

## VJ 150



Capacity	150AH C20@27°C
Application	Digital UPS / UPS / etc.
Specification:	
Number of plate per cell	
Positive plates	6 Nos.
Negative plates	7 Nos.
Back-up time in hours with 400W bulb load	2 hour 15 minutes to 54 hours*
Dimension of Container (mm ± 5%)	
Length	515mm
Width	275 mm
Height	250 mm
Weight of battery (kg ± 5%)	
Dry weight	34 Kg
Filled weight	58 Kg
Gross weight	60 Kg
Acid Volume ( ± 2 Ltrs.)	19 Ltrs.
Specific gravity of Electrolyte at Fullcharge	1245 ± 0.005. Sp.Gr.Liters/cell
Colour of carton	multi colour
Spec of carton	530mm x 285mm x 350mm (L x B x H)
Standard warranty	24 months
Pro-Rated warranty	36 months

\* depends upon connected load

## INVERTER BATTERY SERIES

### VF 135



Capacity	135AH C20@27°C
Application	Digital UPS / UPS / etc.
Specification:-	
Number of plate per cell	
Positive plates	9 Nos.
Negative plates	10 Nos.
Back-up time in hours with 400W bulb load	2 hours to 54 hours*
Dimension of Container (mm ± 3mm)	
Length	505 mm
Width	219 mm
Height	225 mm
Weight of battery (kg ± 5%)	
Dry weight	27.00 Kg
Filled weight	40.50 Kg
Gross weight	42.50 Kg
Acid Volume ( ± 2 Ltrs.)	20 Ltrs.
Specific gravity of Electrolyte at Fullcharge	1245 ± 0.005. Sp. Gr. Liters/Cell
Colour of carton	multi colour
Spec of carton	530mm x 235mm x 305mm (L x B x H)
Standard warranty	18 months
Pro-Rated warranty	30 months

\* depends upon connected load

### VF 150



Capacity	150AH C20@27°C
Application	Digital UPS / UPS / etc.
Specification:	
Number of plate per cell	
Positive plates	10 Nos
Negative plates	11 Nos
Back-up time in hours with 400W bulb load	2 hours to 15 minutes to 54 hours*
Dimension of Container (mm ± 3mm)	
Length	505 mm
Width	219 mm
Height	225 mm
Weight of battery (kg ± 5%)	
Dry weight	28.50 Kg
Filled weight	43.00 Kg
Gross weight	45.00 Kg
Acid Volume ( ± 2 Ltrs.)	13.00 Ltrs.
Specific gravity of electrolyte	1245 ± 0.005. Sp. Gr. Liters/Cell
Colour of carton	Multi Colour
Spec of carton	530mm x 235mm x 305mm (L x B x H)
Standard warranty	18 months
Pro-Rated warranty	30 months

\* depends upon connected load

# Back Up Time Chart

Contact: 93 88 99 55 41

Back up Time	300 VA/12 V (240 Watts)	600 VA/ 12 V (480 Watts)	800 VA/ 12 V (640 Watts)	1400 VA/ 24 V (1120 Watts)	2500 VA /48 V (2000 Watts)	3500 VA / 48 V (2800 Watts)	5500 VA /96V (4400 Watts)	10000 VA/ 180 V (8000 Watts)
80 Ah	2 hr 15 min	1 hrs	33 min	40 min	47 min	30 min	41 min	43 min
100 Ah	3 hrs	1 hr 30 min	1 hr	1 hr	1 hr 10 min	40 min	1 hr	1 hr
135 Ah	NA	2 hrs	1 hr 30 min	1 hr 45 min	2 hrs	1 hr 10 min	1 hr 25 min	1 hr 30 min
150Ah	NA	2 hr 20 min	2 hrs	1 hr 45 min	1 hr 53 min	1 hr 11 min	1 hr 40 min	1 hr 43 min
180 Ah	NA	3 hrs	2 hr 30 min	2 hr 5 min	2 hr 30 min	1 hr 45 min	2 hr 15 min	2 hr 30 min

\* Back up may vary with mixed loads of connection

Note

- Fan - 80 Watts
- Tube light - 40 Watts
- CFL - 15 Watts
- TV - 100 Watts
- PC - 100 Watts
- Washing Machine - 350 Watts (Top load W/M)
- Refrigerator - 400 Watts
- Iron box - 750 Watts
- Water Pump - 750 Watts
- Water heater - 3000 watts
- AC - 1250 Watts (1 TON)

} with 2500 VA Inverter and above

} with 5500 VA inverter and above



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