



**FULL TIME POWER.
NON-STOP HAPPINESS.**



V-Guard. Quality you can trust



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

V-Guard offers a wide range of products built for day to day modern living, including Electronic Stabilizers, Digital Stabilizers, Stabilizer for Air Conditioners, UPS, Digital UPS, Electric Water Heaters, Solar Water Heaters, Pumps, Wiring Cables, Industrial Cables, Fans, Switch Gears, Induction Cooktops, Mixer Grinders & Solar Inverters.

Designed and developed by V-Guard's ISO 9001:2008 certified and DSIR recognized 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 made available with more than 20000 Authorized Dealers and 500 Distributors with a pan India presence.

Switch on to happiness



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 backup 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 backup 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-years 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.



DU SERIES - Sine Wave Models

- Latest DSP/DSC based technology ensures maximum reliability
- Soft start facility
- Intelligent audio & visual indications
- Generator compatibility
- Advanced MOSFET based power stage with PWM output
- SMPS based smart charger
- Quick battery charging mode
- Selectable battery option.
- Smart overload and short circuit protection

Say goodbye to power failure !



DU 675 pro



Technical Specifications

Capacity	675VA
Normal mode working range	100V – 280V AC
UPS mode working range	180V – 260V AC
Output waveform (backup)	Pure sine wave
Output voltage (on battery)	220V AC \pm 10%
Output frequency (on battery)	50Hz \pm 1%
Output voltage (on mains)	Same as input voltage
Calibration accuracy	\pm 2.5%
UPS mode transfer time	< 10 ms
NORM. mode transfer time	< 10 ms
Recommended battery	12V / up to 200Ah, 1 No.
Inverter efficiency	>85%
Charger	Fly-back reactance charger
Charging modes	Normal charging mode(10A) High charging mode(12A).

Charging time @ 230V input	8 – 10 Hrs approximately for 100Ah battery in normal charging mode.
Protections	Overload, Short circuit, Battery deep discharge, Battery over charge, Mains low & high input voltage, Over temperature.
Soft start	Provided.
Generator compatibility	Provided.
Spec. of cabinet	Metal cabinet with ABS front panel
Net weight	8.8 Kg
Gross weight	9.6 Kg
Warranty	24 Months
Application	One computer with 43cm colour monitor, one Inkjet printer and one scanner

SALIENT FEATURES

- DSC 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

DU 875 pro



Technical Specifications

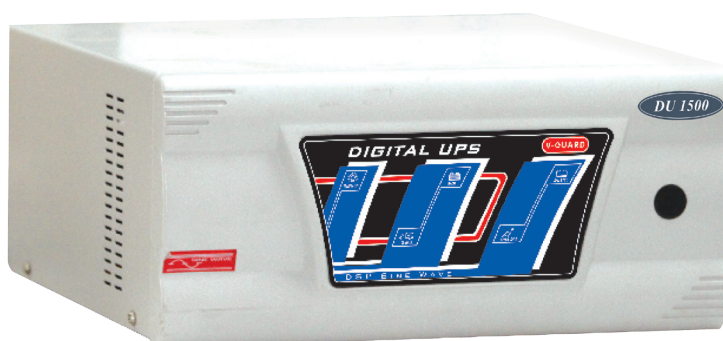
Capacity	875 VA
Normal mode working range	100V – 280V AC
UPS mode working range	180V – 260V AC
Output waveform (backup)	Pure sine wave
Output voltage (on battery)	220V AC \pm 10%
Output frequency (on battery)	50Hz \pm 1%
Output voltage (on mains)	Same as input voltage
Calibration accuracy	\pm 2.5%
UPS mode transfer time	< 10 ms
NORM. mode transfer time	< 10 ms
Recommended battery	12V / up to 200Ah, 1 No.
Inverter efficiency	>85%
Charger	Fly-back reactance charger
Charging modes	Normal charging mode(10A). High charging mode(12A).

Charging time @ 230V input	8 – 10 Hrs approximately for 100Ah battery in normal charging mode.
Protections	Overload, Short circuit, Battery deep discharge, Battery over charge, Mains low & high input voltage, Over temperature.
Soft start	Provided.
Generator compatibility	Provided.
Spec. of cabinet	Metal cabinet with ABS front panel
Net weight	9.0 Kg
Gross weight	9.8 Kg
Warranty	24 Months
Application	Two computers with 43cm colour monitor, one Inkjet printer and one scanner

SALIENT FEATURES

- DSC 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

DU 1500



Technical Specifications

Capacity	1500VA
Normal mode working range	100V – 280V AC
UPS mode working range	180V – 260V AC
Output waveform (backup)	Pure sine Wave
Output voltage (on battery)	210V AC \pm 10%
Output frequency (on battery)	50Hz \pm 1Hz
Output voltage (on mains)	Same as input voltage
Calibration accuracy	\pm 2.5%
UPS mode transfer time	< 16 ms
NORM. mode transfer time	< 30 ms
Recommended battery	12V / up to 180Ah, 2 Nos(in series combination)
Inverter efficiency	> 84%
Charger	Fly-back reactance charger
Charging modes	Normal charging mode(9A). High charging mode(11A).

Charging time @ 230V input	8 – 10 Hrs approximately for 100Ah battery in normal charging mode.
Protections	Overload, Short circuit, Battery deep discharge, Battery over charge, Mains low & high input voltage, Over temperature.
Soft start	Provided.
Generator compatibility	Provided.
Spec. of cabinet	Metal cabinet with ABS front panel
Net weight	16.5 Kg
Gross weight	17.3 Kg
Warranty	24 Months
Application	Four computers 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

EI POWER SERIES

Pseudo Sine Wave Models

- Micro controller based MOSFET technology
- Intelligent audio & visual indications
- Generator compatibility
- Reverse phase indication
- Quick battery charging mode
- Smart overload and short circuit protection

Life.

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



Ei POWER 300 Plus



Technical Specifications

Capacity	300VA
Normal mode working range	115V to 280V AC
UPS mode working range	180V to 265V AC
Output waveform (backup)	Pseudo sine wave
Output voltage (on battery)	156V - 251V AC
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 ms
NORM. mode transfer time	< 40 ms
Recommended battery	12V / 65Ah-80Ah, 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 65Ah battery.
Protections	Overload, Short circuit, Battery deep discharge, Battery over charge, Mains low & high input voltage, Over temperature.
Changeover	Synchronized quick changeover (only in UPS mode) from mains to DUPS and back.
Soft start	Provided
Generator compatibility	Provided
Net weight	4.74 Kg
Gross weight	5.08 Kg
Application	One computer with 43cm LCD Monitor.

EI POWER 700 pro



Technical Specifications

Capacity	700 VA
Normal mode working range	110V – 280V AC
UPS mode working range	180V – 260V AC
Output waveform (backup)	Pseudo sine wave
Output voltage (on battery)	210V AC \pm 20%
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 ms
NORM. mode transfer time	< 12ms
Recommended battery	12V / up to 180Ah -1 No.
Inverter efficiency	>70%
Charger	TRIAC based charger
Charging modes	Normal charging mode (10A). High charging mode (12A)

Charging time @ 230V input	8 – 10 Hrs approximately for 100Ah battery in normal charging mode.
Protections	Overload, Short circuit, Battery deep discharge, Battery over charge, Mains low & high input voltage, Over temperature.
Soft start	Provided.
Generator compatibility	Provided.
Spec. of cabinet	Metal cabinet with ABS front panel
Net weight	8.6 Kg
Gross weight	9.4 Kg
Warranty	24 Months
Application	One computer with 43cm colour monitor, one Inkjet printer and one scanner

SALIENT FEATURES

- Microcontroller based digitally controlled operation • Space saving design • Pseudo sine wave output • Soft start facility • Intelligent audio & visual indications • Generator compatibility • Intelligent thermal management • TRIAC based smart charger • Battery over charge & Deep discharge protection • Quick battery charging mode • Smart overload and short circuit protection.

EI POWER 900 pro



Technical Specifications

Capacity	900 VA
Normal mode working range	110V – 280V AC
UPS mode working range	180V – 260V AC
Output waveform (backup)	Pseudo sine wave
Output voltage (on battery)	210V AC \pm 20%
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 ms
NORM. mode transfer time	< 12 ms
Recommended battery	12V / up to 180Ah - 1No.
Inverter efficiency	> 70%
Charger	TRIAC based charger
Charging modes	Normal charging mode (10A) High charging mode (12A)

Charging time @ 230V input	8 – 10 Hrs approximately for 100Ah battery in normal charging mode
Protections	Overload, Short circuit, Battery deep discharge, Battery over charge, Mains low & high input voltage, Over temperature.
Soft start	Provided.
Generator compatibility	Provided.
Spec. of Cabinet	Metal cabinet with ABS front panel
Net weight	9 Kg
Gross weight	9.8 Kg
Warranty	24 Months
Application	Two computers with 43cm colour monitor, one Inkjet printer and one scanner

SALIENT FEATURES

- Microcontroller based digitally controlled operation
- Space saving design
- Pseudo sine wave output
- Soft start facility
- Intelligent audio & visual indications
- Generator compatibility
- Intelligent thermal management
- TRIAC based smart charger
- Battery over charge & Deep discharge protection
- Quick battery charging mode
- Smart overload and short circuit protection.

Ei POWER 1500



Technical Specifications

Capacity	1500VA
Normal mode working range	110V – 280V AC
UPS mode working range	180V – 265V AC
Output waveform (backup)	Pseudo sine wave
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 ms
NORM. mode transfer time	< 40 ms
Recommended battery	12V / up to 180Ah, 2Nos(in series combination)
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 in normal charging mode.
Protections	Overload, Short circuit, Battery deep discharge, Battery over charge, Mains low & high input voltage, Over temperature.
Soft start	Provided.
Generator compatibility	Provided.
Spec. of cabinet	Metal cabinet with ABS front panel.
Net weight	16 Kg
Gross weight	17.2 Kg
Warranty	24 Months
Application	4 computers with 43cm colour monitor, one inkjet printer and one scanner.

SALIENT FEATURES

- Microcontroller based digitally controlled operation • 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.

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

Switch on to
happiness



DU 2500



Technical Specifications

Capacity	2500VA
DC Bus voltage	48V DC
Working range & Input frequency	Normal mode: 100V – 280V AC, 50Hz \pm 1Hz UPS mode: 180V – 260V AC, 50Hz \pm 1Hz
Output voltage	On mains : Same as input On Battery : 220V AC \pm 7%, 50Hz \pm 1Hz
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 – 280V AC UPS mode: 180V - 260V AC
Charging current	10A \pm 2A
Full load O/P current	8.5A \pm 0.7A

Charging topology	Boost mode
Inverter topology	H - Bridge
Recommended battery	12 V / up to 180Ah , 4 Nos (in series combination)
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	32cm x 25.5cm x 40cm
Net weight of product	27 Kg
Dimension after packing	48.5cm x 41cm x 61cm
Gross weight	35 Kg
Application	Six computers with 43cm colour monitor & one inkjet printer

DU 3500



Technical Specifications

Capacity	3500 VA
DC Bus Voltage	48V DC
Working range & Input frequency	Normal mode: 100V – 280V AC, 50Hz \pm 1Hz UPS mode: 180V – 260V AC, 50Hz \pm 1Hz
Output voltage	On mains : Same as input On battery : 220V AC \pm 7%, 50Hz \pm 1Hz
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: 150V – 280V AC UPS mode: 180V – 260V AC
Charging current	10A \pm 2A
Full load O/P current	10.5A \pm 0.5A

Charging topology	Boost mode
Inverter topology	H - Bridge
Recommended Battery	12V / up to 180 Ah, 4 Nos (in series combination)
Protections	Over load, Short circuit, Battery deep discharge, Battery over charge, Mains low, Mains high, Thermal protection
Soft start	Provided
Generator compatibility	Provided
Operating temperature	0 to 45°C
Dimensions of product	32cm X 25.5cm X 40cm
Net weight of product	34 kg
Dimension after packing	48.5cm X 41cm X 61cm
Gross weight	39 kg
Application	Eight computers with 43cm colour monitor & one inkjet printer

DU 5500



Technical Specifications

Capacity	5500 VA
DC Bus Voltage	96V DC
Working range & Input frequency	Normal mode: 125V – 280V AC, 50Hz \pm 1Hz UPS Mode: 180V – 260V AC, 50Hz \pm 1Hz
Output voltage	On mains : Same as input On battery : 220V AC \pm 7 % , 50Hz \pm 1Hz
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: 150V – 280V AC UPS mode: 180V - 260V AC
Charging current	10A \pm 2A
Full load O/P current	17A \pm 0.5A

Charging topology	Boost mode
Inverter topology	H - Bridge
Recommended battery	12 V / up to 180 Ah , 8 Nos (in series combination)
Protections	Over load, Short circuit, Battery Deep discharge, Battery over charge, Mains low, Mains high, Thermal protection
Soft start	Provided
Generator compatibility	Provided
Operating Temperature	0 to 45°C
Dimensions of product	35cm X 30cm X 40cm
Net Weight of product	43 kg
Dimension after packing	49.5cm X 48cm X 65cm
Gross weight	53 kg
Application	12 computers with 43 cm colour monitor & one inkjet printer

DU 10000



Technical Specifications

Capacity	10000VA
DC Bus voltage	180V DC
Working range & Input frequency	Normal mode: 125V – 280V AC, 50Hz \pm 1Hz UPS mode: 180V – 260V AC, 50Hz \pm 1Hz
Output voltage	On mains : Same as input On battery : 230 V AC \pm 5V, 50Hz \pm 1Hz
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 : 150V – 280V AC UPS mode : 180V – 250V AC
Charging current	10 A \pm 2A
Full load current	34 A \pm 0.5A
Charging topology	Boost mode

Inverter topology	H - Bridge
Recommended Battery	12 V / up to 180 Ah, 15 Nos (in series combination)
Protections	Over load, Short circuit, Battery Deep discharge, Battery Over charge, Mains Low, Mains High, Thermal protection
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
Dimensions of product	41cm X 35cm X 66cm
Net weight of product	83 Kg
Dimension after packing	54.5cm X 48cm X 77cm
Gross weight	98 Kg
Application	25 computers with 43 cm colour monitor & one inkjet printer

Synergy Series

- Microcontroller Based Design • Sine Wave Output • Four Stage Battery Charging Method • Generator Compatibility
- Advanced MOSFET Based Power Stage with PWM Output • SMPS Based Smart Charger in Main Mode and Built-in MPPT • Battery Over Charge and Deep Discharge Protection • Quick Battery Charging Mode • Smart Overload and Short Circuit Protection



Synergy 500

Solar Management Unit



Technical Specifications

Model	Synergy 500
Solar Panel Type	MULTI/MONO crystal
Panel Power	500W Maximum
Panel Open Voltage(Voc)	22V
Panel Current Max.(Isc)	28A
Panel Rated Voltage(Vmp)	17V
Output Voltage	14.4V DC max.
MPPT Algorithm	P&O

Battery Charging Current	35 A max
Indications	LCD indication for Charger & mains status, Solar charging current & voltage, Energy from solar-daily & total and LED indication for mains status
Protections	Panel reverse polarity and input high voltage.
Warranty	2 years

DU 850 Synergy



Technical Specifications (PCU)

Capacity	800VA
Normal mode working range	100V – 280V AC
UPS mode working range	180V – 260V AC
Output waveform (backup)	Pure sine wave
Output voltage (on battery)	210V AC \pm 10%
Output frequency (on battery)	50Hz \pm 1%
Output voltage (on mains)	Same as input voltage
Calibration accuracy	\pm 2.5%
UPS mode transfer time	< 15 ms
NORM. mode transfer time	< 15 ms
Inverter Efficiency	>80%
Charging	Mains + Solar
Mains charger	Fly-back reactance charger
Solar charger	MPPT charger
Maximum panel capacity	500W
Charging modes	Solar Mode(solar priority). Hybrid Mode(mains priority).

Protections	Overload, short circuit, Battery deep discharge, Battery over charge, Mains low & high input voltage, Over temperature, Panel reverse polarity, Panel input high voltage.
Soft start	Provided
Generator compatibility	Provided.
Spec. of cabinet of the PCU	Metal cabinet with ABS front panel
Net weight	9.8 Kg
Gross weight	11.33 Kg
Application	Two computers with 43cm colour monitor, one inkjet printer and one scanner
Accessories	One PCU, 5Nos of 100W panel, 2Nos of 150Ah Green battery, 5Nos of Module Mounting Structure and interlinking accessories
Warranty	2 Years for PCU 54 months for battery * 25 years for panel *

DU 850 Synergy Standard



Technical Specifications (PCU)

Capacity	800VA
Normal mode working range	100V – 280V AC
UPS mode working range	180V – 260V AC
Output waveform (backup)	Pure sine wave
Output voltage (on battery)	210V AC \pm 10%
Output frequency (on battery)	50Hz \pm 1%
Output voltage (on mains)	Same as input voltage
Calibration accuracy	\pm 2.5%
UPS mode transfer time	< 15 ms
NORM. mode transfer time	< 15 ms
Inverter Efficiency	>80%
Charging	Mains + Solar
Mains charger	Fly-back reactance charger
Solar charger	MPPT charger
Maximum panel capacity	500W
Charging modes	Solar Mode(solar priority). Hybrid Mode(mains priority).

Protections	Overload, Short circuit, Battery deep discharge, Battery over charge, Mains low & high input voltage, Over temperature, Panel reverse polarity, Panel input high voltage.
Soft start	Provided
Generator compatibility	Provided.
Spec. of cabinet of the PCU	Metal cabinet with ABS front panel
Net weight	9.8 Kg
Gross weight	11.33 Kg
Application	Two computers with 43cm colour monitor, one inkjet printer and one scanner
Accessories	One PCU, 3Nos of 100W panel, 1No of 150Ah Green battery, 3Nos of Module Mounting Structure and interlinking accessories
Warranty	2 Years for PCU 54 Months for battery * 25 years for panel *

* Conditions apply

DU 850 Synergy PCU



Technical Specifications

Capacity	800VA
Normal mode working range	100V – 280V AC
UPS mode working range	180V – 260V AC
Output waveform (backup)	Pure sine wave
Output voltage (on battery)	210V AC \pm 10%
Output frequency (on battery)	50Hz \pm 1%
Output voltage (on mains)	Same as input voltage
Calibration accuracy	\pm 2.5%
UPS mode transfer time	< 15 ms
NORM. mode transfer time	< 15 ms
Inverter Efficiency	>80%
Charging	Mains + Solar
Mains charger	Fly-back reactance charger
Solar charger	MPPT charger
Maximum panel capacity	500W

Charging modes	Solar Mode (solar priority). Hybrid Mode (mains priority).
Protections	Overload, Short circuit, Battery deep discharge, Battery over charge, Mains low & high input voltage, Over temperature, Panel reverse polarity, Panel input high voltage.
Soft start	Provided
Generator compatibility	Provided.
Spec. of cabinet	Metal cabinet with ABS front panel
Net weight	9.8 Kg
Gross weight	11.33 Kg
Application	Two computers with 43cm colour monitor, one inkjet printer and one scanner
Warranty	2 Years

DU 1500 Synergy



Technical Specifications(PCU)

Capacity	1500VA
Normal mode working range	100V – 280V AC
UPS mode working range	180V – 260V AC
Output waveform (backup)	Pure sine wave
Output voltage (on battery)	210V \pm 10%
Output frequency (on battery)	50Hz \pm 1%
Output voltage (on mains)	Same as input voltage
Calibration accuracy	\pm 2.5%
UPS mode transfer time	< 15 ms
NORM. mode transfer time	< 15 ms
Inverter Efficiency	> 80%
Charging	Mains + Solar
Mains charger	Fly-back reactance charger
Solar charger	MPPT charger
Maximum panel capacity	1000W
Charging modes	PV priority AC priority.

Protections	Overload, Short circuit, Battery deep discharge, Battery over charge, Mains low & high input voltage, Over temperature protection, Panel reverse polarity, Panel input high voltage.
Soft start	Provided
Generator compatibility	Provided
Refrigerator compatibility	Provided
Spec. of cabinet of the PCU	Metal cabinet
Net weight	24.66 Kg
Gross weight	28.38 Kg
Application	4 computers with 43cm colour monitor, one inkjet printer and one scanner
Accessories	One PCU , 4Nos of 250W panel, 4Nos of 150Ah Green battery, 2Nos of Module Mounting Structure and interlinking accessories
Warranty	2 Years for PCU 54 Months for battery * 25 years for panel *

DU 1500 Synergy PCU

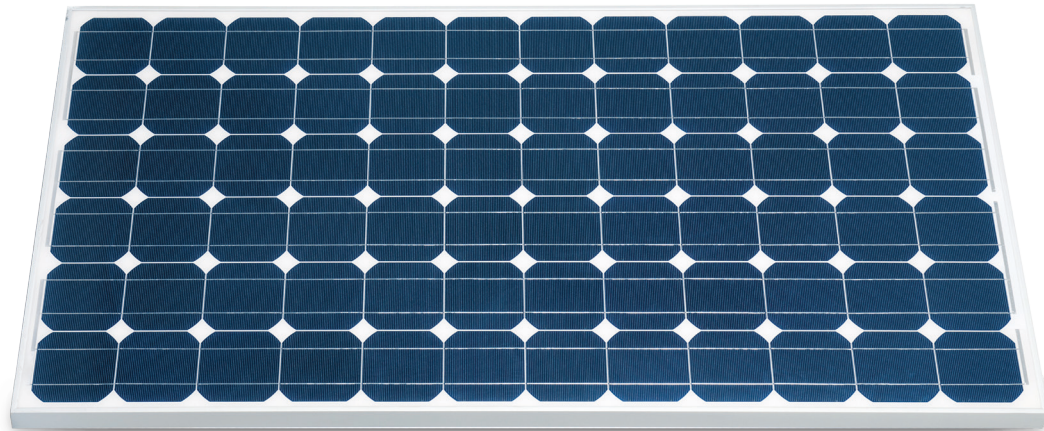


Technical Specifications

Capacity	1500VA
Normal mode working range	100V – 280V AC
UPS mode working range	180V – 260V AC
Output waveform (backup)	Pure sine wave
Output voltage (on battery)	210V \pm 10%
Output frequency (on battery)	50Hz \pm 1%
Output voltage (on mains)	Same as input voltage
Calibration accuracy	\pm 2.5%
UPS mode transfer time	< 15 ms
NORM. mode transfer time	< 15 ms
Inverter Efficiency	> 80%
Charging	Mains + Solar
Mains charger	Fly-back reactance charger
Solar charger	MPPT charger
Maximum panel capacity	1000W

Charging modes	PV priority AC priority.
Protections	Overload, Short circuit, Battery deep discharge, Battery over charge, Mains low & high input voltage, Over temperature protection, Panel reverse polarity, Panel input high voltage.
Soft start	Provided
Generator compatibility	Provided.
Refrigerator compatibility	Provided
Spec of cabinet	Metal cabinet
Net weight	24.66 Kg
Gross weight	28.38 Kg
Application	4 computers with 43cm colour monitor, one inkjet printer and one scanner
Warranty	2 Years

Panel 100



Technical Specifications*

P max (Solar panel wattage) in Watts	100W
Voc (open circuit voltage) in Volts	21V
Isc (Short circuit current) in Amps	6.8A
Vm (Rated voltage) in Volts	17.1V
Im (Rated current) in Amps	5.84A
Warranty	25 Years**

*Under standard test condition : Irradiance=1000w/m².Temperature = 250 C and AM =1.5,Tolerance at P max is + 5

** Conditions apply

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 casted 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 for excellent corrosion resistance & long life
- Heavy duty plates with excellent cycle life
- Low rate of self discharge
- Robust & aesthetically superior PPCP container
- Stronger, sturdier & attractive packaging
- Deep cycle design



TUBULAR BATTERY SERIES



VT 100

Capacity	100AH C20@27°C
Application	Digital UPS / UPS / etc.
Specification:-	
Backup time in hours with 400W bulb load	1 hours 30 minutes to 54 hours*
Dimensions of battery (± 0.5 cm)	
Length	51 cm
Width	21 cm
Height	25 cm
Weight of battery (± 5 Kg)	
Dry weight	24 Kg
Filled weight	40 Kg
Gross weight	41.5 Kg
Acid Volume (± 2 Ltrs.)	12 Ltrs.
Specific gravity of Electrolyte on Fullcharge	1.245 ± 0.005. Sp.Gr.Liters/cell
Colour of carton	Multi colour
Dimensions of carton	53.5 cm x 23 cm x 32 cm (L x B x H)
Standard warranty	24 months
Pro-Rated warranty	12 months



VT 100DLX

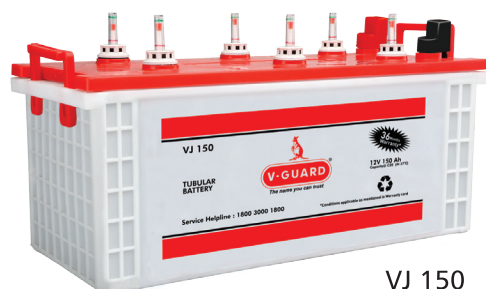
Capacity	100AH C20@27°C
Application	Digital UPS / UPS / etc.
Specification:-	
Backup time in hours with 400W bulb load	1 hours 30 minutes to 54 hours*
Dimensions of battery (± 0.5 cm)	
Length	50.3 cm
Width	18.8 cm
Height	36 cm
Weight of battery (± 5 Kg)	
Dry weight	25 Kg
Filled weight	48 Kg
Gross weight	50 Kg
Acid Volume (± 2 Ltrs.)	19 Ltrs.
Specific gravity of Electrolyte on Fullcharge	1.245 ± 0.005. Sp.Gr.Liters/cell
Colour of carton	Multi colour
Dimensions of carton	53 cm x 21.5 cm x 45 cm (L x B x H)
Standard warranty	24 months
Pro-Rated warranty	12 months

* depends upon connected load



VT 135

Capacity	135AH C20@27°C
Application	Digital UPS / UPS / etc.
Specification:-	
Backup time in hours with 400W bulb load	2 hours to 54 hours*
Dimensions of battery (± 0.5 cm)	
Length	50.3 cm
Width	18.8 cm
Height	41.7 cm
Weight of battery (± 5 Kg)	
Dry weight	33 Kg
Filled weight	59 Kg
Gross weight	61 Kg
Acid Volume (± 2 Ltrs.)	21 Ltrs.
Specific gravity of Electrolyte on Fullcharge	1.245 ± 0.005. Sp. Gr. Liters/Cell
Colour of carton	Multi colour
Dimensions of carton	53 cm x 21.5 cm x 50 cm (L x B x H)
Standard warranty	36 months
Pro-Rated warranty	18 months



VJ 150

Capacity	150AH C20@27°C
Application	Digital UPS / UPS / etc.
Specification:	
Backup time in hours with 400W bulb load	2 hour 15 minutes to 54 hours*
Dimensions of battery (± 0.5 cm)	
Length	51.5 cm
Width	27 cm
Height	30 cm
Weight of battery (± 5 Kg)	
Dry weight	35 Kg
Filled weight	58 Kg
Gross weight	60 Kg
Acid Volume (± 2 Ltrs.)	19 Ltrs.
Specific gravity of Electrolyte on Fullcharge	1.245 ± 0.005. Sp.Gr.Liters/cell
Colour of carton	Multi colour
Dimensions of carton	53 cm x 28.5 cm x 35 cm (L x B x H)
Standard warranty	24 months
Pro-Rated warranty	12 months



VT 150S

Capacity	150AH C20@27°C
Application	Digital UPS / UPS / etc.
Specification:	
Backup time in hours with 400W bulb load	2 hour 15 minutes to 54 hours*
Dimensions of battery (± 0.5 cm)	
Length	50.3 cm
Width	18.8 cm
Height	36 cm
Weight of battery (± 5 Kg)	
Dry weight	33 Kg
Filled weight	56 Kg
Gross weight	58 Kg
Acid Volume (± 2 Ltrs.)	18 Ltrs.
Specific gravity of Electrolyte on Fullcharge	1.245 ± 0.005. Sp.Gr.Liters/cell
Colour of carton	Multi colour
Dimensions of carton	53 cm x 21.5 cm x 45 cm (L x B x H)
Standard warranty	24 months
Pro-Rated warranty	12 months



VT 150

Capacity	150AH C20@27°C
Application	Digital UPS / UPS / etc.
Specification:-	
Backup time in hours with 400W bulb load	2 hours 15 minutes to 54 hours*
Dimensions of battery (± 0.5 cm)	
Length	50.3 cm
Width	18.8 cm
Height	41.7 cm
Weight of battery (± 5 Kg)	
Dry weight	35 Kg
Filled weight	60 Kg
Gross weight	62 Kg
Acid Volume (± 2 Ltrs.)	20 Ltrs.
Specific gravity of Electrolyte on Fullcharge	1.245 ± 0.005. Sp. Gr. Liters/Cell
Colour of carton	Multi colour
Dimensions of carton	53 cm x 21.5 cm x 50 cm (L x B x H)
Standard warranty	36 months
Pro-Rated warranty	18 months

* depends upon connected load



VT 180

Capacity	180AH C20@27°C
Application	Digital UPS / UPS / etc.
Specification:-	
Backup time in hours with 400W bulb load	3 hours to 54 hours*
Dimensions of battery (± 0.5 cm)	
Length	50.3 cm
Width	18.8 cm
Height	41.7 cm
Weight of battery (± 5 Kg)	
Dry weight	40 Kg
Filled weight	64 Kg
Gross weight	66 Kg
Acid Volume (± 2 Ltrs.)	18.5 Ltrs.
Specific gravity of Electrolyte on Fullcharge	1.245 ± 0.005. Sp. Gr. Liters/Cell
Colour of carton	Multi colour
Dimensions of carton	53 cm x 21.5 cm x 50 cm (L x B x H)
Standard warranty	36 months
Pro-Rated warranty	18 months



VT 150 Green

Capacity	150AH C10@27°C
Application	Solar UPS / Digital UPS / UPS etc.
Specification:-	
Backup time in hours with 400W bulb load	3 hours to 54 hours*
Dimensions of battery (± 0.5 cm)	
Length	50.3 cm
Width	18.8 cm
Height	41.7 cm
Weight of battery (± 5 Kg)	
Dry weight	40 Kg
Filled weight	64 Kg
Gross weight	66 Kg
Acid Volume (± 2 Ltrs.)	18.5 Ltrs.
Specific gravity of Electrolyte on Fullcharge	1.245 ± 0.005. Sp. Gr. Liters/Cell
Colour of carton	Multi colour
Dimensions of carton	53 cm x 21.5 cm x 50 cm (L x B x H)
Standard warranty	36 months
Pro-Rated warranty	18 months

INVERTER BATTERY SERIES



VF 135

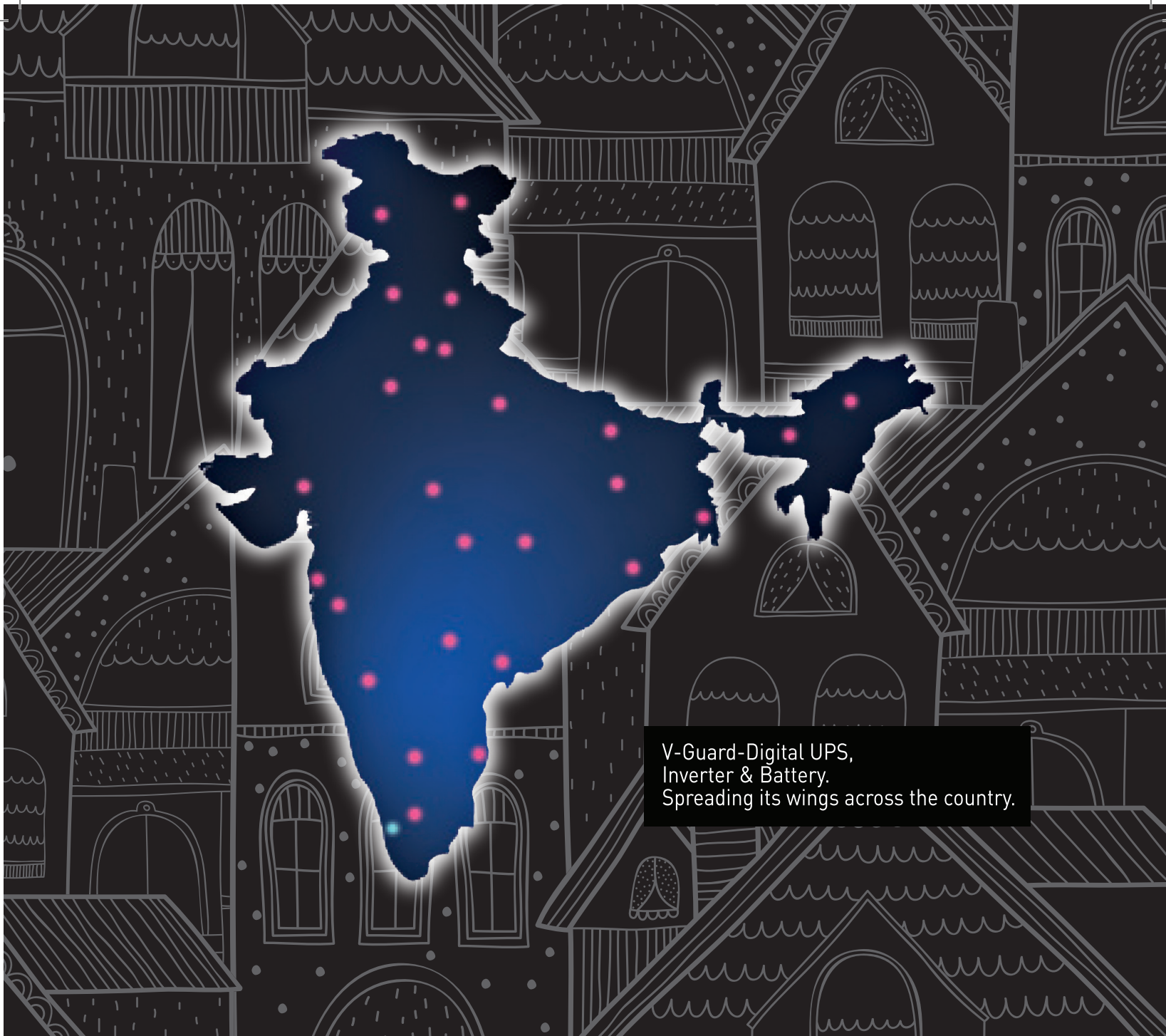
Capacity	135AH C20@27°C
Application	Digital UPS / UPS / etc.
Specification:-	
Backup time in hours with 400W bulb load	2 hours to 54 hours*
Dimensions of battery (± 0.5cm)	
Length	51 cm
Width	21 cm
Height	25 cm
Weight of battery (± 5 Kg)	
Dry weight	26.00 Kg
Filled weight	41.50 Kg
Gross weight	43.00 Kg
Acid Volume (± 2 Ltrs.)	12 Ltrs.
Specific gravity of Electrolyte on Fullcharge	1.245 ± 0.005. Sp. Gr. Liters/Cell
Colour of carton	Multi colour
Dimensions of carton	53 cm x 23.5 cm x 29 cm (L x B x H)
Standard warranty	18 months
Pro-Rated warranty	12 months



VF 150

Capacity	150AH C20@27°C
Application	Digital UPS / UPS / etc.
Specification:	
Backup time in hours with 400W bulb load	2 hours to 15 minutes to 54 hours*
Dimensions of battery (± 0.5 cm)	
Length	51 cm
Width	21 cm
Height	25 cm
Weight of battery (± 5 Kg)	
Dry weight	28.50 Kg
Filled weight	43.00 Kg
Gross weight	45.00 Kg
Acid Volume (± 2 Ltrs.)	11.50 Ltrs.
Specific gravity of electrolyte on Fullcharge	1.245 ± 0.005. Sp. Gr. Liters/Cell
Colour of carton	Multi Colour
Dimensions of carton	53 cm x 23.5 cm x 29 cm (L x B x H)
Standard warranty	18 months
Pro-Rated warranty	12 months

* depends upon connected load



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All Specifications are subject to change without prior notice



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