



PRODUCT CATALOGUE

PRODUCTS



Home UPS



Lithium
Inverters



Solar Inverters
(PWM/MPPT)



Hybrid
Inverters



On-Grid
Inverters

BUSINESS SOLUTIONS



OEM
Manufacturing



ODM
Development



SKD/CKD
Solutions



PCB &
Control Cards

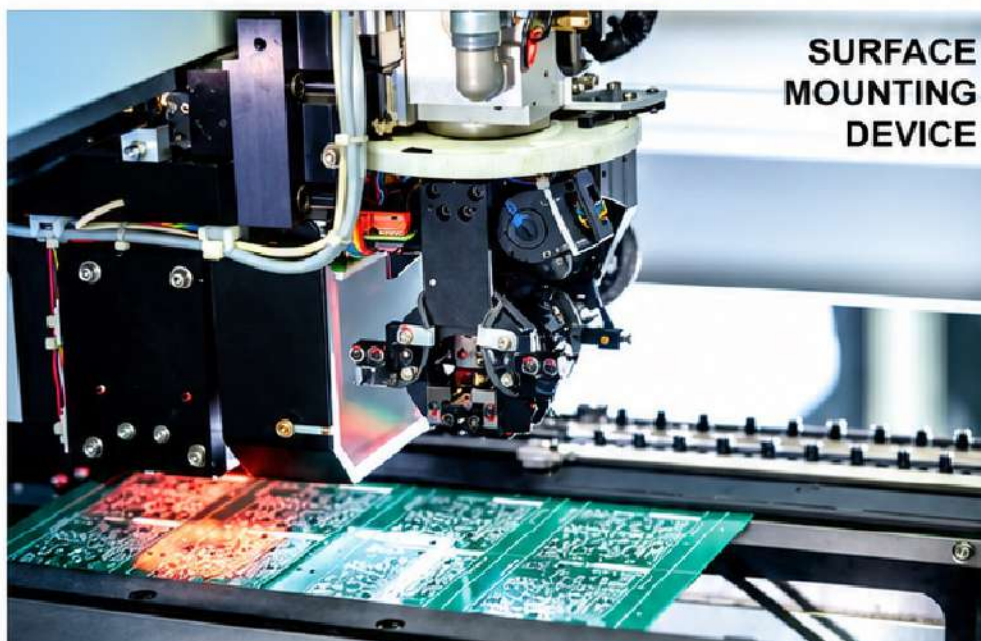


Factory Setup &
Joint Ventures

MADE IN INDIA



MANUFACTURING UNIT



PURE SINE WAVE INVERTER



PURE SINE WAVE INVERTER



1050/12V



Resettable Circuit Breaker

Features

- DSP Pure Sine Wave Technology Using Heavy Duty MOSFET
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Powerful Charging During Low Voltage – 90V
- Battery Reverse Protection
- Electronic Breaker – Resettable Fuse
- Battery Reserve Up To 10.5V
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Compatible With All Types Of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible
- Boost Charging

- **MODEL :** 1050/12V
- **VA RATING :** 825VA/12V
- **BULB LOAD in WATT $\pm 3\%$:** 660 WATT
- **COMPATIBLE BATTERY :** TGEL/TUB/SMF/GEL/Li
- **CHARGING CURRENT :** 15A - 20A

1100/12V



Resettable Circuit Breaker

Features

- DSP Pure Sine Wave Technology Using Heavy Duty MOSFET
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Powerful Charging During Low Voltage – 90V
- Super Smart Fast Charging Upto 25 Amp
- Battery Reverse Protection
- Electronic Breaker – Resettable Fuse
- Battery Reserve Up To 10.5 V
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Compatible With All Types Of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible

- **MODEL :** 1100/12V
- **VA RATING :** 900VA/12V
- **BULB LOAD in WATT $\pm 3\%$:** 720 WATT
- **COMPATIBLE BATTERY :** TGEL/TUB/SMF/GEL/Li
- **CHARGING CURRENT :** - 10A/15A/20A/25A

1250/12V



Resettable Circuit Breaker

Features

- DSP Pure Sine Wave Technology Using Heavy Duty MOSFET
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Powerful Charging During Low Voltage – 90V
- Super Smart Fast Charging Upto 25 Amp
- Battery Reverse Protection
- Electronic Breaker – Resettable Fuse
- Battery Reserve Up To 10.5 V
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Compatible With All Types Of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible

- **MODEL :** 1250/12V
- **VA RATING :** 1050VA/12V
- **BULB LOAD in WATT $\pm 3\%$:** 840 WATT
- **COMPATIBLE BATTERY :** TGEL/TUB/SMF/GEL/Li
- **CHARGING CURRENT :** 10A/15A/20A/25A

1350/12V



24x7 PROTECTION AC MCB

Features

- DSP Pure Sine Wave Technology Using Heavy Duty MOSFET
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Powerful Charging During Low Voltage – 90V
- Super Smart Fast Charging Upto 25 Amp
- Battery Reverse Protection
- MCB Protection 24 X 7 – Isolates Mains Input From Ups
- Battery Reserve Up To 10.5V
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Compatible With All Types Of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible
- Output Terminal Block (N E L) Used

- **MODEL :** 1350/12V
- **VA RATING :** 1125VA/12V
- **BULB LOAD in WATT $\pm 3\%$:** 900 WATT
- **COMPATIBLE BATTERY :** TGEL/TUB/SMF/GEL/Li
- **CHARGING CURRENT :** 10A/15A/20A/25A

PURE SINE WAVE INVERTER



1500/12V



24x7 PROTECTION
AC MCB

Features

- DSP Pure Sine Wave Technology Using Heavy Duty MOSFET
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Powerful Charging During Low Voltage – 90V
- Super Smart Fast Charging Upto 25 Amp
- Battery Reverse Protection
- MCB Protection 24 X 7 – Isolates Mains Input From Ups
- Battery Reserve Up To 10.5V
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Compatible With All Types Of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible
- Output Terminal Block (N E L) Used

- **MODEL : 1500/12V**
- **VA RATING : 1150VA/12V**
- **BULB LOAD in WATT $\pm 3\%$: 920 WATT**
- **COMPATIBLE BATTERY : TGEL/TUB/SMF/GEL/Li**
- **CHARGING CURRENT : 10A/15A/20A/25A**

1700/12V



24x7 PROTECTION
AC MCB

Features

- DSP Pure Sine Wave Technology Using Heavy Duty MOSFET
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Powerful Charging During Low Voltage – 90V
- Super Smart Fast Charging Upto 25 Amp
- Battery Reverse Protection
- MCB Protection 24 X 7 – Isolates Mains Input From Ups
- Battery Reserve Up To 10.5V
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Compatible With All Types Of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible
- Output Terminal Block (N E L) Used

- **MODEL : 1700/12V**
- **VA RATING : 1400VA/12V**
- **BULB LOAD in WATT $\pm 3\%$: 1120 WATT**
- **COMPATIBLE BATTERY : TGEL/TUB/SMF/GEL/Li**
- **CHARGING CURRENT : 10A/15A/20A/25A**

2000/12V



24x7 PROTECTION
AC MCB

Features

- DSP Pure Sine Wave Technology Using Heavy Duty MOSFET
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Powerful Charging During Low Voltage – 90V
- Super Smart Fast Charging Upto 25 Amp
- Battery Reverse Protection
- MCB Protection 24 X 7 – Isolates Mains Input From Ups
- Battery Reserve Up To 21V
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Compatible With All Types Of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible
- Input / Output Terminal Block (N E L) Used

- **MODEL : 2000/12V**
- **VA RATING : 1600VA/12V**
- **BULB LOAD in WATT $\pm 3\%$: 1280 WATT**
- **COMPATIBLE BATTERY : TGEL/TUB/SMF/GEL/Li**
- **CHARGING CURRENT : 10A/15A/20A/25A**

1600/24V



24x7 PROTECTION
AC MCB

Features

- DSP Pure Sine Wave Technology Using Heavy Duty MOSFET
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Powerful Charging During Low Voltage – 90V
- Super Smart Fast Charging Upto 25 Amp
- Battery Reverse Protection
- MCB Protection 24 X 7 – Isolates Mains Input From Ups
- Battery Reserve Up To 21V
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Compatible With All Types Of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible
- Input / Output Terminal Block (N E L) Used

- **MODEL : 1600/24V**
- **VA RATING : 1600VA/24V**
- **BULB LOAD in WATT $\pm 3\%$: 1280 WATT**
- **COMPATIBLE BATTERY : TGEL/TUB/SMF/GEL/Li**
- **CHARGING CURRENT : 10A/15A/20A/25A**

PURE SINE WAVE INVERTER



1800/24V



Features

- DSP Pure Sine Wave Technology Using Heavy Duty MOSFET
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Powerful Charging During Low Voltage – 90V
- Super Smart Fast Charging Upto 25 Amp
- Battery Reverse Protection
- MCB Protection 24 X 7 – Isolates Mains Input From Ups
- Battery Reserve Up To 21V
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Compatible With All Types Of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible
- Input / Output Terminal Block (N E L) Used

- **MODEL : 1800/24V**
- **VA RATING : 1750VA/24V**
- **BULB LOAD in WATT $\pm 3\%$: 1400 WATT**
- **COMPATIBLE BATTERY : TGEL/TUB/SMF/GEL/Li**
- **CHARGING CURRENT : 10A/15A/20A/25A**

2000/24V



Features

- DSP Pure Sine Wave Technology Using Heavy Duty MOSFET
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Powerful Charging During Low Voltage – 90V
- Super Smart Fast Charging Upto 25 Amp
- Battery Reverse Protection
- MCB Protection 24 X 7 – Isolates Mains Input From Ups
- Battery Reserve Up To 21V
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Compatible With All Types Of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible
- Input / Output Terminal Block (N E L) Used

- **MODEL : 2000/24V**
- **VA RATING : 1900VA/24V**
- **BULB LOAD in WATT $\pm 3\%$: 1520WATT**
- **COMPATIBLE BATTERY : TGEL/TUB/SMF/GEL/Li**
- **CHARGING CURRENT : 10A/15A/20A/25A**

2500/24V



Features

- DSP Pure Sine Wave Technology Using Heavy Duty MOSFET
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Powerful Charging During Low Voltage – 90V
- Super Smart Fast Charging Upto 25 Amp
- Battery Reverse Protection
- MCB Protection 24 X 7 – Isolates Mains Input From Ups
- Battery Reserve Up To 21V
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Compatible With All Types Of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible
- Input / Output Terminal Block (N E L) Used

- **MODEL : 2500/24V**
- **VA RATING : 2500VA/24V**
- **BULB LOAD in WATT $\pm 3\%$: 2000WATT**
- **COMPATIBLE BATTERY : TGEL/TUB/SMF/GEL/Li**
- **CHARGING CURRENT : 10A/15A/20A/25A**

2700/24V



Features

- DSP Pure Sine Wave Technology Using Heavy Duty MOSFET
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Powerful Charging During Low Voltage – 90V
- Super Smart Fast Charging Upto 25 Amp
- Battery Reverse Protection
- MCB Protection 24 X 7 – Isolates Mains Input From Ups
- Battery Reserve Up To 42V
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Compatible With All Types Of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible
- Input / Output Terminal Block (N E L) Used

- **MODEL : 2700/24V**
- **VA RATING : 2700VA/24V**
- **BULB LOAD in WATT $\pm 3\%$: 2160 WATT**
- **COMPATIBLE BATTERY : TGEL/TUB/SMF/GEL/Li**
- **CHARGING CURRENT : 10A/15A/20A/25A**

PURE SINE WAVE INVERTER



3500/24V



Features

- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Powerful Charging During Low Voltage – 90V
- Super Smart Fast Charging Upto 25 Amp
- Battery Reverse Protection
- MCB Protection 24 X 7 – Isolates Mains Input From Ups
- Battery Reserve Up To 21V
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Compatible With All Types Of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible
- Input / Output Terminal Block (N E L) Used

- **MODEL : 3500/24V**
- **VA RATING : 3200VA/24V**
- **BULB LOAD in WATT $\pm 3\%$: 2560 WATT**
- **COMPATIBLE BATTERY : TGEL/TUB/SMF/GEL/Li**
- **CHARGING CURRENT : 10A/15A/20A/25A**

4000/24V



Features

- DSP Pure Sine Wave Technology Using Heavy Duty MOSFET
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Powerful Charging During Low Voltage – 90V
- Super Smart Fast Charging Upto 25 Amp
- Battery Reverse Protection
- MCB Protection 24 X 7 – Isolates Mains Input From Ups
- Battery Reserve Up To 21V
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Compatible With All Types Of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible
- Input / Output Terminal Block (N E L) Used
- Battery/DC MCB - Isolates Battery From Ups.
- Manual Bypass – Rotary Type

- **MODEL : 4000/24V**
- **VA RATING : 3500VA/24V**
- **BULB LOAD in WATT $\pm 3\%$: 2800 WATT**
- **COMPATIBLE BATTERY : TGEL/TUB/SMF/GEL/Li**
- **CHARGING CURRENT : 10A/15A/20A/25A**

4000/48V



Features

- DSP Pure Sine Wave Technology Using Heavy Duty MOSFET
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Powerful Charging During Low Voltage – 90V
- Super Smart Fast Charging Upto 25 Amp
- Battery Reverse Protection
- MCB Protection 24 X 7 – Isolates Mains Input From Ups
- Battery Reserve Up To 21V
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Compatible With All Types Of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible
- Input / Output Terminal Block (N E L) Used
- Battery/DC MCB - Isolates Battery From Ups.
- Manual Bypass – Rotary Type

- **MODEL : 4000/48V**
- **VA RATING : 4000VA/48V**
- **BULB LOAD in WATT $\pm 3\%$: 3200 WATT**
- **COMPATIBLE BATTERY : TGEL/TUB/SMF/GEL/Li**
- **CHARGING CURRENT : 10A/15A/20A/25A**

5500/48V



Features

- DSP Pure Sine Wave Technology Using Heavy Duty MOSFET
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Powerful Charging During Low Voltage – 90V
- Super Smart Fast Charging Upto 25 Amp
- Battery Reverse Protection
- MCB Protection 24 X 7 – Isolates Mains Input From Ups
- Battery Reserve Up To 21V
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Compatible With All Types Of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible
- Input / Output Terminal Block (N E L) Used
- Battery/DC MCB - Isolates Battery From Ups.
- Manual Bypass – Rotary Type

- **MODEL : 5500/48V**
- **VA RATING : 5250VA/48V**
- **BULB LOAD in WATT $\pm 3\%$: 4200 WATT**
- **COMPATIBLE BATTERY : TGEL/TUB/SMF/GEL/Li**
- **CHARGING CURRENT : 10A/15A/20A/25A**

DC BUS	12V				24V				48V			
NO LOAD CURRENT	< 1.8 A				< 1.2 A							
OUTPUT VOLTAGE @ NO LOAD	< 240VAC @12.0 VDC				< 240VAC @24.0 VDC				< 240VAC @48.0 VDC			
BATTERY LOW ALARM	(10.7 ± 0.2V) - (Li SET-1 - 12.0±0.2V) (Li SET-2 - 11.8±0.2V)				(21.4 ± 0.4V) - (Li SET-1 - 24.0±0.4V) (Li SET-2 - 23.6±0.4V)				(42.8 ± 0.8V) - (Li SET-1 - 48.0±0.8V) (Li SET-2 - 47.2±0.8V)			
BATTERY LOW SHUTDOWN	(10.5 ± 0.2V) - (Li SET-1 - 11.6±0.2V) (Li SET-2 - 11.4±0.2V)				(21.0 ± 0.4V) - (Li SET-1 - 23.2±0.4V) (Li SET-2 - 22.8±0.4V)				(42.0 ± 0.8V) - (Li SET-1 - 46.4±0.8V) (Li SET-2 - 45.6±0.8V)			
SHORT CIRCUIT PROTECTION	YES											
INVERTER OUTPUT FREQUENCY	50 HZ +/- 0.1 Hz											
MODE	UPS MODE											
MAINS INPUT VOLATGE RANGE	170V TO 265 V											
MAINS AC LOW CUT	170VAC +/- 10VAC											
MAINS AC LOW CUT RECOVERY	180VAC +/- 10VAC											
MAINS AC HIGH CUT	265VAC +/- 10VAC											
MAINS AC HIGH CUT RECOVERY	255VAC +/- 10VAC											
MAXIMUM CHANGE OVER TIME	< 8 msec											
MODE	WIDE UPS MODE											
MAINS INPUT VOLATGE RANGE	90V TO 290 V											
MAINS AC LOW CUT	90VAC ± 10VAC											
MAINS AC LOW CUT RECOVERY	110VAC ± 10VAC											
MAINS AC HIGH CUT	290VAC ± 10VAC											
MAINS AC HIGH CUT RECOVERY	280VAC ± 10VAC											
MAXIMUM CHANGE OVER TIME	< 18 msec											
MODE	CHARGING MODE											
CHARGING CURRENT @ 220V AC	10/15/20/25A ± 3A											
BOOST VOLATGE (TUBULAR MODE)	14.4V ± 0.2V				28.8V ± 0.4V				57.6V ± 0.8V			
BOOST VOLTAGE (Li)	13.9V ± 0.2V / 13.8±0.2V				27.8V ± 0.4V / 27.6±0.4V				55.6V ± 0.8V / 55.2±0.8V			
FLOAT VOLTAGE	13.6V ± 0.2V				27.2V ± 0.4V				54.4V ± 0.8V			
SHORT CIRCUIT	YES											
PROTECTIONS												
BATTERY LOW CUT OFF	1 TIME											
OVERLOAD (AUTO RETRIES)	4 TIME											
SHORT CIRCUIT (AUTO RETRIES)	3 TIME											
OVER TEMPERATURE	3 TIME											
BATTERY OVER CHARGE	YES											
INPUT PROTECTION	Glass Fuse / Resettable Fuse / MAINS MCB TRIP											
ENVIRONMENT												
STORAGE TEMPERATURE	0 TO + 40 C											
OPERATING TEMPERATURE	0 TO + 40 C											
HUMIDITY	0-95% NON-CONDENSNG											
ACOUSTIC NOISE (at 1 mts)	< 45dB from 1 METER											
PROTECTION CLASS	IP-20											
RECOMMENDATIONS												
INPUT WIRE in Sq mm	1 SQMM				4 SQ MM			6 SQ MM			8 SQMM	
OUTPUT WIRE in Sq mm	N.A	N.A			2.5 SQ MM			4 SQ MM			6 SQMM	
BATTERY WIRE in Sq mm	8 SQMM	10 SQMM	12 SQMM	25 SQMM	10 SQMM	12 SQMM	16SQMM	25 SQMM	16 SQMM		25 SQMM	
OUTPUT SOCKET	16 AMP				N.A							
INPUT/OUTPUT PLUG	16A ISI MARKED				N.A							
INPUT TERMINAL BLOCK (N E L)	N.A				30 AMP (T.B)							
OUTPUT TERMINAL BLOCK (N E L)	N.A				30 AMP (T.B)							
AC MCB (LOAD AT MAINS BYPASS MODE)	N.A		6/10 AMP		16 AMP	20 AMP	25 AMP	32 AMP	32 AMP			
BATTERY / DC MCB	N.A								63 AMP DC 2 POLE			
BYPASS MODE	ELECTRONIC BYPASS								MANNUAL ROTARY TYPE			
DC FUSE RATING (FOR REVERSE POLAIRTY PROTECTION)	40 A X 3 NOs										40A x 4 NOs	

SOLAR OFFGRID INVERTER



SOLAR OFFGRID INVERTER



1230/12V – 30 AMP SCC

**CONTROLLED
BATTERY
CHARGING**

**LOAD
SHARING**

Features

- DSP Pure Sine wave Solar PCU PWM Technology Using Heavy Duty MOSFET.
- Intelligent Sharing – Solar Priority To Save More Electricity.
- Solar Preference Charging For Battery To Reduce The Power Used From Grid.
- Built In Solar Charge Controller – 30 Amp
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Efficiency – 85%
- Powerful Charging During Low Voltage– 70V
- Battery Reverse Protection
- Resettable fuse
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Load Start Up to 300% Of Rated Capacity
- Compatible With All Types Of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible
- Crest Factor 3:1

- **MODEL : 1230/12V**
- **VA RATING : 1050/12V**
- **BULB LOAD in WATT $\pm 1\%$: 840 WATT**
- **VOC : 28V**
- **SOLAR CHARGE CONTROLLER : 30 AMP**
- **MAX PV ARRAY : 600W**



1550/12V – 50 AMP SCC

**CONTROLLED
BATTERY
CHARGING**

**LOAD
SHARING**

Features

- DSP Pure Sine wave Solar PCU PWM Technology Using Heavy Duty MOSFET.
- Intelligent Sharing – Solar Priority To Save More Electricity.
- Solar Preference Charging For Battery To Reduce The Power Used From Grid.
- Built In Solar Charge Controller – 50 Amp
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Efficiency – 85%
- Powerful Charging During Low Voltage– 70V
- Battery Reverse Protection
- Most Advance 32 Bit Microprocessor – 3011
- Circuit Breaker – MCB Protection 24 X 7 – Isolates Mains Input From Ups
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Load Start Up to 300% Of Rated Capacity
- Compatible With All Types Of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible
- Crest Factor 3:1
- Input / Output Terminal Block (N E L) Used

- **MODEL : 1550/12V**
- **VA RATING : 1375/12V**
- **BULB LOAD in WATT $\pm 1\%$: 1100 WATT**
- **VOC : 28V**
- **SOLAR CHARGE CONTROLLER : 50 AMP**
- **MAX PV ARRAY : 1000W**



2050/24V – 50 AMP SCC

**CONTROLLED
BATTERY
CHARGING**

**LOAD
SHARING**

Features

- DSP Pure Sine wave Solar PCU PWM Technology Using Heavy Duty MOSFET.
- Intelligent Sharing – Solar Priority To Save More Electricity.
- Solar Preference Charging For Battery To Reduce The Power Used From Grid.
- Built In Solar Charge Controller – 50 Amp
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Efficiency – 85%
- Powerful Charging During Low Voltage– 70V
- Battery Reverse Protection
- Most Advance 32 Bit Microprocessor – 3011
- Circuit Breaker – MCB Protection 24 X 7 – Isolates Mains Input From Ups
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Load Start Up 300% Of Rated Capacity
- Compatible With All Types Of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible
- Crest Factor 3:1
- Input / Output Terminal Block (N E L) Used

- **MODEL : 2050/24V**
- **VA RATING : 1700/24V**
- **BULB LOAD in WATT $\pm 1\%$: 1360WATT**
- **VOC : 58V**
- **SOLAR CHARGE CONTROLLER : 50 AMP**
- **MAX PV ARRAY : 1500W**



2770/24V – 70 AMP SCC

**CONTROLLED
BATTERY
CHARGING**

**LOAD
SHARING**

Features

- DSP Pure Sine wave Solar PCU PWM Technology Using Heavy Duty MOSFET.
- Intelligent Sharing – Solar Priority To Save More Electricity.
- Solar Preference Charging For Battery To Reduce The Power Used From Grid.
- Built In Solar Charge Controller – 70 Amp
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Efficiency – 85%
- Powerful Charging During Low Voltage– 70V
- Battery Reverse Protection
- Most Advance 32 Bit Microprocessor – 3011
- Circuit Breaker – MCB Protection 24 X 7 – Isolates Mains Input From Ups
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Load Start Up 300% of Rated Capacity
- Compatible With All Types of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible
- Crest Factor 3:1
- Input / Output Terminal Block (N E L) Used

- **MODEL : 2770/24V**
- **VA RATING : 2250/24V**
- **BULB LOAD in WATT $\pm 1\%$: 1800 WATT**
- **VOC : 58V**
- **SOLAR CHARGE CONTROLLER : 70 AMP**
- **MAX PV ARRAY : 2000W**



SOLAR OFFGRID INVERTER



3270/24V – 70 AMP SCC

CONTROLLED
BATTERY
CHARGING

LOAD
SHARING

Features

- DSP Pure Sine wave Solar PCU PWM Technology Using Heavy Duty MOSFET.
- Intelligent Sharing – Solar Priority To Save More Electricity.
- Solar Preference Charging For Battery To Reduce The Power Used From Grid.
- Built In Solar Charge Controller – 70 Amp
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Efficiency – 85%
- Powerful Charging During Low Voltage– 70V
- Battery Reverse Protection
- Most Advance 32 Bit Microprocessor – 3011
- Circuit Breaker – MCB Protection 24 X 7 – Isolates Mains Input From Ups
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Load Start Up 300% Of Rated Capacity
- Compatible With All Types Of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible
- Crest Factor 3:1
- Input / Output Terminal Block (N E L) Used

- **MODEL :** 3270/24V
- **VA RATING :** 2700/24V
- **BULB LOAD in WATT $\pm 1\%$:** 2160WATT
- **VOC :** 58V
- **SOLAR CHARGE CONTROLLER :** 70 AMP
- **MAX PV ARRAY :** 2500W



3570/24V – 70 AMP SCC

CONTROLLED
BATTERY
CHARGING

LOAD
SHARING

Features

- DSP Pure Sine wave Solar PCU PWM Technology Using Heavy Duty MOSFET.
- Intelligent Sharing – Solar Priority To Save More Electricity.
- Solar Preference Charging For Battery To Reduce The Power Used From Grid.
- Built In Solar Charge Controller – 70 Amp
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Efficiency – 85%
- Powerful Charging During Low Voltage– 70V
- Battery Reverse Protection
- Most Advance 32 Bit Microprocessor – 3011
- Circuit Breaker – MCB Protection 24 X 7 – Isolates Mains Input From Ups
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Load Start Up 300% Of Rated Capacity
- Compatible With All Types Of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible
- Crest Factor 3:1
- Input / Output Terminal Block (N E L) Used

- **MODEL :** 3570/24V
- **VA RATING :** 3150/24V
- **BULB LOAD in WATT $\pm 1\%$:** 2520 WATT
- **VOC :** 58V
- **SOLAR CHARGE CONTROLLER :** 70AMP
- **MAX PV ARRAY :** 3000W



4070/24V – 70 AMP SCC

CONTROLLED
BATTERY
CHARGING

LOAD
SHARING

Features

- DSP Pure Sine wave Solar PCU PWM Technology Using Heavy Duty MOSFET.
- Intelligent Sharing – Solar Priority To Save More Electricity.
- Solar Preference Charging For Battery To Reduce The Power Used From Grid.
- Built In Solar Charge Controller – 70 Amp
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Efficiency – 85%
- Powerful Charging During Low Voltage– 70V
- Battery Reverse Protection
- Most Advance 32 Bit Microprocessor – 3011
- Circuit Breaker – MCB Protection 24 X 7 – Isolates Mains Input From Ups
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Load Start Up 300% Of Rated Capacity
- Compatible With All Types Of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible
- Crest Factor 3:1
- Input / Output Terminal Block (N E L) Used

- **MODEL :** 4070/24V
- **VA RATING :** 3500/24V
- **BULB LOAD in WATT $\pm 1\%$:** 2800 WATT
- **VOC :** 58V
- **SOLAR CHARGE CONTROLLER :** 70AMP
- **MAX PV ARRAY :** 3000W



4070/48V – 70 AMP SCC

CONTROLLED
BATTERY
CHARGING

LOAD
SHARING

Features

- DSP Pure Sine wave Solar PCU PWM Technology Using Heavy Duty MOSFET.
- Intelligent Sharing – Solar Priority To Save More Electricity.
- Solar Preference Charging For Battery To Reduce The Power Used From Grid.
- Built In Solar Charge Controller – 70 Amp
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Efficiency – 85%
- Powerful Charging During Low Voltage– 70V
- Battery Reverse Protection
- Most Advance 32 Bit Microprocessor – 3011
- Circuit Breaker – MCB Protection 24 X 7 – Isolates Mains Input From Ups
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Load Start Up 300% Of Rated Capacity
- Compatible With All Types Of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible
- Crest Factor 3:1
- Input / Output Terminal Block (N E L) Used
- Battery / DC MCB - ISOLATES BATTERY FROM UPS.
- Solar MCB Used

- **MODEL :** 4070/48V
- **VA RATING :** 4150/48V
- **BULB LOAD in WATT $\pm 1\%$:** 3320 WATT
- **VOC :** 110V
- **SOLAR CHARGE CONTROLLER :** 70 AMP
- **MAX PV ARRAY :** 3500W



SOLAR OFFGRID INVERTER



5070/48V – 70 AMP SCC

CONTROLLED
BATTERY
CHARGING

LOAD
SHARING

Features

- DSP Pure Sine wave Solar PCU PWM Technology Using Heavy Duty MOSFET.
- Intelligent Sharing – Solar Priority To Save More Electricity.
- Solar Preference Charging For Battery To Reduce The Power Used From Grid.
- Built In Solar Charge Controller – 70 Amp
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Efficiency – 85%
- Powerful Charging During Low Voltage– 70V
- Battery Reverse Protection
- Most Advance 32 Bit Microprocessor – 3011
- Circuit Breaker – MCB Protection 24 X 7 – Isolates Mains Input From Ups
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Load Start Up 300% Of Rated Capacity
- Compatible With All Types Of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible
- Crest Factor 3:1
- Input / Output Terminal Block (N E L) Used
- Battery / DC MCB - ISOLATES BATTERY FROM UPS.
- Solar MCB Used

- **MODEL : 5070/48V**
- **VA RATING : 5250/48V**
- **BULB LOAD in WATT $\pm 1\%$: 4200WATT**
- **VOC : 110V**
- **SOLAR CHARGE CONTROLLER : 70 AMP**
- **MAX PV ARRAY : 4000W**

6570/48V – 70 AMP SCC

CONTROLLED
BATTERY
CHARGING

LOAD
SHARING

Features

- DSP Pure Sine wave Solar PCU PWM Technology Using Heavy Duty MOSFET.
- Intelligent Sharing – Solar Priority To Save More Electricity.
- Solar Preference Charging For Battery To Reduce The Power Used From Grid.
- Built In Solar Charge Controller – 70 Amp
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Efficiency – 85%
- Powerful Charging During Low Voltage– 70V
- Battery Reverse Protection
- Most Advance 32 Bit Microprocessor – 3011
- Circuit Breaker – MCB Protection 24 X 7 – Isolates Mains Input From Ups
- 6 Stage Charging Technology Helps In Increasing Battery Life.
- Load Start Up 300% Of Rated Capacity
- Compatible With All Types Of Batteries (TGEL/TUB/SMF/GEL/Li)
- Generator Compatible
- Crest Factor 3:1
- Input / Output Terminal Block (N E L) Used
- Battery / DC MCB - ISOLATES BATTERY FROM UPS.
- Solar MCB Used

- **MODEL : 6570/48V**
- **VA RATING : 6500/48V**
- **BULB LOAD in WATT $\pm 1\%$: 5200WATT**
- **VOC : 110V**
- **SOLAR CHARGE CONTROLLER : 70 AMP**
- **MAX PV ARRAY : 4500W**

SUN PRO 5070/48V



SUN PRO 6570/48V



DC BUS	12V			24V			48V		
SCC TYPE	PWM								
MAX PV CONNECTED IN WATT	800W / 28V	1000W/ 28V	1500W / 58V	2000W / 58V	2500W / 58V	3000W / 58V	3500/110V	4000W/110V	
MAX PV CURRENT in AMP	30 A	50A	50A	70A	70A	70A	70A	70A	
Mains Input mode									
Mains AC low cut UPS mode	170VAC ± 10VAC								
Mains AC low cut recovery UPS mode	180VAC ± 10VAC								
Mains AC high cut UPS mode	265VAC ± 10VAC								
Mains AC high cut recovery UPS mode	255VAC ± 10VAC								
Mains AC low cut WUPS mode	90VAC ± 10VAC								
Mains AC low cut recovery WUPS mode	110VAC ± 10VAC								
Mains AC high cut WUPS mode	290VAC ± 10VAC								
Mains AC high cut recovery WUPS mode	280VAC ± 10VAC								
Input Frequency Range	40Hz to 60Hz								
Voltage Output in Mains Mode	Same as input								
Frequency Output in Mains Mode	Same as input								
Battery									
Battery Type	LA / Tubular / SMF								
DC input voltage	12V			24V			48V		
Battery Quantity 12V 100Ah to 220Ah	1			2			4		
Float charging voltage	13.7V±0.2V			27.4V +/- 0.4V			54.8V +/- 0.8V		
Boost charging voltage for Tubular and SMF Battery	14.5V±0.2V			29.0V +/- 0.4V			58.0V +/- 0.8V		
Boost charging voltage for LA Battery	14.0V±0.2V			28.0V +/- 0.4V			56.0V +/- 0.8V		
Battery deep Discharge Recovery	Yes (Independent Charger to Recover Deep Discharge Battery)								
Battery High Cut	15.0±0.2V			30.0 +/- 0.4V			60.0 +/- 0.8V		
Charging Current	Upto 20A ± 2A								
Backup Mode									
Output voltage	220VAC +5% -10% (untill battery low alarm)								
Output frequency	50Hz ± 0.2 Hz								
Output waveform	Pure Sine Wave ≤ 5% THD								
No Load current	≤ 4% of rated capacity								
Low Battery Warning	10.7V±0.2V			21.4V +/- 0.4V			42.8V +/- 0.8V		
Low Battery Cut	10.5V±0.2V			21.0V +/- 0.4V			42.0V +/- 0.8V		
Change over time UPS mode	< 10msec								
Change over time WUPS mode	< 25msec								
Crest Factor	1 : 5								
Peak Efficiency	86%								
Protections									
Overload in backup mode	<100% Load Continuously run >100% to <120% Load, System will shut down in 2min >120% to <140% Load, System will shut down in 1min >140% to <160% Load, System will shut down in 17sec >160% to <180% Load, System will shut down in 6sec >180% to <200% Load, System will shut down in 3sec >200% Load, System will shut down in 850msec								
Short Circuit in Backup Mode	System will shutdown after 3 - retries in case of output short circuit								
Short Circuit in Mains Mode	Mains Fuse Blown			Mains MCB Trip					
Backfeed	System will shutdown in case of backfeed and there is no retry								
Over temperature	Yes provided, if heatsink temperature goes above 100°C System will shut down								
Reverse Battery	DC fuse will blown								
Phase to Phase protection in mains mode	Yes provided by electronic								
Solar Charge Controller									
Solar Charge Controller type	PWM type								
Efficiency	> 96%								
Mains Charging Shairing	If PV power is not sufficient enough to charge the battery, system will start sharing battery charging from PV and grid.								
Load Shairing	Load Shairing is provided, solar will deliver the power as per load and battery requirement. Solar Current = Load Current + Batter Charging Current If load is 0% then it will proteck the battery for over charging and increase the battery life deliver <18A current for battery charging.								
Option for Solar Mode & Normal Mode	Yes, provided, user can select Solar Mode or Normal Mode. Hense user can select to Save Maximum Power or Smart Power saving mode. Solar Mode: System will run the 100% load on solar whole days (9:AM to 4:PM) and charge the battery from solar. Normal Mode: System will run the 100% load on solar during peak hours (10:AM to 3:PM) and charge the battery from solar.								
100% Solar Priority & Solar Utilization	System is utilizing 100% solar power available								
Revse PV protection	Yes provided								
Reverse current flow to PV	Yes provided								
Display and Alarms									
LCD Initial Display	Welcome, Contect Website Address, System Capacity, Charging Till 80VAC and Deep Discharge Battery, System Setting, UPS / WUPS mode, I/P range 90-295VAC / 170-265VAC, Battent Type Selected LA / SMF / Tubular, Battery Capacty Selected 100-135Ah / 150-200Ah,								
LCD Status Display	Mains ON, Input Voltage, Input Frequency, Battery Voltage, Battery Charging, Battery Charged, Charging Current, Backup Mode, UPS ON, UPS OFF, Battery Voltage, Load %, Output Voltage, Output Frequency, Mains Low Cut, Mains High Cut, Mains Not Available, Mains Frequency Cut								
LCD Fault / Protection Status Display	Mains Fuse Blown / MCB Trip, Short Circuit, Overload, Battery Low, High Tempature, Backfeed								
Buzzer	Audible beep for Overload, Short Circuit, Backfeed, Low Battery, Over Temperature, Mains Fuse blown / MCB Trip								
Safety									
HV Test Input to Earth	Leakage current <5mA when 1.5KV applied for 1 min								
HV Test Output to Earth	Leakage current <5mA when 1.5KV applied for 1 min								
IR Test Input to Earth	>5MΩ between @ 500VDC								
IR Test Output to Earth	>5MΩ between @ 500VDC								
Earth Leakage current in Mains mode	< 2.5mA								
Earth Leakage current in Backup mode	< 2.5mA								
Environment									
Operating Temperature	0°C to 40°C								
Storage Temperature	0°C to 50°C								
Operating Relative Humiditv	90% Non-Condensing								



12V

UPS Features

- DSP Pure Sine Wave Technology Using Heavy Duty Mosfet
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Protection 24x7 : Over-load, Short Circuit, Over-temperature, Deep-discharge, Over-charge & Over-current Protection.

Battery Features

- Rated Voltage (V) - **12.8V**
- Rated Capacity (Ah) - **105Ah**
- No. of Cells in Series & Parallel Connection - **4S1P - 100 Amp**
- Rated Energy (kWh) - **1.2kWh**
- Charging & Discharging Cut-off Voltage (V) - **11.8~13.8V**
- Charging Mode - **CC-CV**
- Allowed Depth of Discharge - **80%**
- Charging/Discharging Rate - **0.5C**

24V

UPS Features

- DSP Pure Sine Wave Technology Using Heavy Duty Mosfet
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Protection 24x7 : Over-load, Short Circuit, Over-temperature, Deep-discharge, Over-charge & Over-current Protection.

Battery Features

- Rated Voltage (V) - **25.6V**
- Rated Capacity (Ah) - **105Ah**
- No. of Cells in Series & Parallel Connection - **8S1P - 100Amp**
- Rated Energy (kWh) - **2.56kWh**
- Charging & Discharging Cut-off Voltage (V) - **23.6~27.6V**
- Charging Mode - **CC-CV**
- Allowed Depth of Discharge - **80%**
- Charging/Discharging Rate - **0.5C**

48V

UPS Features

- DSP Pure Sine Wave Technology Using Heavy Duty Mosfet
- LCD Display (16 X 2)
- Built In Galvanic Isolation Transformer
- Automatic Bypass
- Protection 24x7 : Over-load, Short Circuit, Over-temperature, Deep-discharge, Over-charge & Over-current Protection.

Battery Features

- Rated Voltage (V) - **51.2V**
- Rated Capacity (Ah) - **105Ah**
- No. of Cells in Series & Parallel Connection - **16S 1P - 150Amp**
- Rated Energy (kWh) - **5.12kWh**
- Charging & Discharging Cut-off Voltage (V) - **47.20V~55.2V**
- Charging Mode - **CC-CV**
- Allowed Depth of Discharge - **80%**
- Charging/Discharging Rate - **0.5C**



MODEL	1100	1250
VA RATING	925VA	1050VA
BULB LOAD IN WATT	740W	840W
DC BUS	24V	
NO LOAD CURRENT	< 1.2 A	
OUTPUT VOLTAGE @ NO LOAD	< 240VAC @12.8VDC	
BATTERY LOW ALARM	LI-12.0V +/- 0.2V	
BATTERY LOW SHUTDOWN	LI-11.8V +/- 0.2V	
SHORT CIRCUIT PROTECTION	YES	
INVERTER OUTPUT FREQUENCY	50 HZ +/- 0.1 Hz	
PARAMETERS		
UPS MODE		
MAINS INPUT VOLATGE RANGE	170V TO 265 V	
MAINS AC LOW CUT	170VAC +/- 10VAC	
MAINS AC LOW CUT RECOVERY	180VAC +/- 10VAC	
MAINS AC HIGH CUT	265VAC +/- 10VAC	
MAINS AC HIGH CUT RECOVERY	255VAC +/- 10VAC	
MAXIMUM CHANGE OVER TIME	< 8 msec	
PARAMETERS		
WIDE UPS MODE		
MAINS INPUT VOLATGE RANGE	90V TO 290 V	
MAINS AC LOW CUT	90VAC +/- 10VAC	
MAINS AC LOW CUT RECOVERY	110VAC +/- 10VAC	
MAINS AC HIGH CUT	290VAC +/- 10VAC	
MAINS AC HIGH CUT RECOVERY	280VAC +/- 10VAC	
MAXIMUM CHANGE OVER TIME	< 18 msec	
PARAMETERS		
CHARGING MODE		
CHARGING CURRENT @ 220V AC	25A	
BOOST VOLATGE (TUBULAR MODE)	28.8V +/- 0.4V	
BOOST VOLATGE (LEAD ACID MODE)	28.0V +/- 0.4V	
FLOAT VOLTAGE	27.2V +/- 0.4V	
SHORT CIRCUIT	YES	
PROTECTIONS		
BATTERY LOW CUT OFF	1 TIME	
OVERLOAD (AUTO RETRIES)	4 TIME	
SHORT CIRCUIT (AUTO RETRIES)	3 TIME	
OVER TEMPERATURE	3 TIME	
BATTERY OVER CHARGE	YES	
INPUT PROTECTION	YES (MAINS MCB TRIP INCASE OF SHORT CIRCUIT IN MAINS MODE)	
PRODUCT WEIGHT & DIMENSIONS		
WEIGHT ± 0.5KG (with Battery)	21.5kg	24kg
DIMENSION (In mm)	385x135x455mm	390x135x540mm
Lithium Battery		
MODEL	IE12VUB1280	
RATED VOLTAGE (V)	12.8V	
RATED CAPACITY (AH)	105 Ah	
NO. OF CELLS IN SERIES & PARALLEL CONNECTION	4S 1P - 100Amp	
RATED ENERGY (WH)	1280	
TOTAL NO. OF CELL	4	
ELECTRICAL CHARACTERISTICS		
CHARGE AND DISCHARGE CUT-OFF VOLTAGE (V)	11.8v~13.8V	
CHARGING MODE	cc-cv	
STANDARD CHARGING CURRENT (A)	25Amp	
STANDARD DISCHARGING CURRENT	65	
ALLOWED DEPTH OF DISCHARGE (A)	80%	
MISCELLANEOUS		
CYCLE LIFE [80%DOD, 25°C, CHARGE & DISCHARGE@0.5C]	≥3500@80%	
PROTECTION CLASS	IP 20	



MODEL	2500	3500
VA RATING	2250VA	3150VA
BULB LOAD IN WATT	1800W	2520W
DC BUS	24V	
NO LOAD CURRENT	< 1.2 A	
OUTPUT VOLTAGE @ NO LOAD	< 240VAC @24.0 VDC	
BATTERY LOW ALARM	21.4 +/- 0.4V	
BATTERY LOW SHUTDOWN	21.0 +/- 0.4V	
SHORT CIRCUIT PROTECTION	YES	
INVERTER OUTPUT FREQUENCY	50 HZ +/- 0.1 Hz	
PARAMETERS		
UPS MODE		
MAINS INPUT VOLATGE RANGE	170V TO 265 V	
MAINS AC LOW CUT	170VAC +/- 10VAC	
MAINS AC LOW CUT RECOVERY	180VAC +/- 10VAC	
MAINS AC HIGH CUT	265VAC +/- 10VAC	
MAINS AC HIGH CUT RECOVERY	255VAC +/- 10VAC	
MAXIMUM CHANGE OVER TIME	< 8 msec	
PARAMETERS		
WIDE UPS MODE		
MAINS INPUT VOLATGE RANGE	90V TO 290 V	
MAINS AC LOW CUT	90VAC +/- 10VAC	
MAINS AC LOW CUT RECOVERY	110VAC +/- 10VAC	
MAINS AC HIGH CUT	290VAC +/- 10VAC	
MAINS AC HIGH CUT RECOVERY	280VAC +/- 10VAC	
MAXIMUM CHANGE OVER TIME	< 18 msec	
PARAMETERS		
CHARGING MODE		
CHARGING CURRENT @ 220V AC	25A	
BOOST VOLATGE (TUBULAR MODE)	28.8V +/- 0.4V	
BOOST VOLATGE (LEAD ACID MODE)	28.0V +/- 0.4V	
FLOAT VOLTAGE	27.2V +/- 0.4V	
SHORT CIRCUIT	YES	
PROTECTIONS		
BATTERY LOW CUT OFF	1 TIME	
OVERLOAD (AUTO RETRIES)	4 TIME	
SHORT CIRCUIT (AUTO RETRIES)	3 TIME	
OVER TEMPERATURE	3 TIME	
BATTERY OVER CHARGE	YES	
INPUT PROTECTION	YES (MAINS MCB TRIP INCASE OF SHORT CIRCUIT IN MAINS MODE)	
PROTECTIONS		
WEIGHT ± 0.5KG	48kg	50kg
DIMENSION (in mm)	500x275x525mm	
PRODUCT WEIGHT & DIMENSIONS		
Lithium Battery		
MODEL	IE24VUB2560	
RATED VOLTAGE (V)	25.6V	
RATED CAPACITY (AH)	105 Ah	
NO. OF CELLS IN SERIES & PARALLEL CONNECTION	8S 1P - 150 Amp	
RATED ENERGY (WH)	2560	
TOTAL NO. OF CELL	8	
ELECTRICAL CHARACTERISTICS		
CHARGE AND DISCHARGE CUT-OFF VOLTAGE (V)	23.6V ~ 27.6V	
CHARGING MODE	cc-cv	
STANDARD CHARGING CURRENT (A)	25Amp	
STANDARD DISCHARGING CURRENT	65	
ALLOWED DEPTH OF DISCHARGE (A)	80%	
MISCELLANEOUS		
CYCLE LIFE [80%DOD, 25°C, CHARGE & DISCHARGE @ 0.5C]	≥3500@80%	
PROTECTION CLASS	IP 20	



MODEL	5000	7500
VA RATING	5000VA	6500VA
BULB LOAD IN WATT	4000W	5200W
DC BUS	48V	
NO LOAD CURRENT	< 1.2 A	
OUTPUT VOLTAGE @ NO LOAD	< 240VAC @51.2 VDC	
BATTERY LOW ALARM	LI-48.0V ± 0.8V-UPS	
BATTERY LOW SHUTDOWN	LI-47.2V± 0.8V-UPS	
SHORT CIRCUIT PROTECTION	YES	
INVERTER OUTPUT FREQUENCY	50 HZ +/- 0.1 Hz	
PARAMETERS UPS MODE		
MAINS INPUT VOLATGE RANGE	170V TO 265 V	
MAINS AC LOW CUT	170VAC +/- 10VAC	
MAINS AC LOW CUT RECOVERY	180VAC +/- 10VAC	
MAINS AC HIGH CUT	265VAC +/- 10VAC	
MAINS AC HIGH CUT RECOVERY	255VAC +/- 10VAC	
MAXIMUM CHANGE OVER TIME	< 8 msec	
PARAMETERS WIDE UPS MODE		
MAINS INPUT VOLATGE RANGE	90V TO 290 V	
MAINS AC LOW CUT	90VAC +/- 10VAC	
MAINS AC LOW CUT RECOVERY	110VAC +/- 10VAC	
MAINS AC HIGH CUT	290VAC +/- 10VAC	
MAINS AC HIGH CUT RECOVERY	280VAC +/- 10VAC	
MAXIMUM CHANGE OVER TIME	< 18 msec	
PARAMETERS CHARGING MODE		
CHARGING CURRENT @ 220V AC	25A	
BOOST VOLATGE (TUBULAR MODE)	28.8V +/- 0.4V	
BOOST VOLATGE (LEAD ACID MODE)	28.0V +/- 0.4V	
FLOAT VOLTAGE	27.2V +/- 0.4V	
SHORT CIRCUIT	YES	
PROTECTIONS		
BATTERY LOW CUT OFF	1 TIME	
OVERLOAD (AUTO RETRIES)	4 TIME	
SHORT CIRCUIT (AUTO RETRIES)	3 TIME	
OVER TEMPERATURE	3 TIME	
BATTERY OVER CHARGE	YES	
INPUT PROTECTION	YES (MAINS MCB TRIP INCASE OF SHORT CIRCUIT IN MAINS MODE)	
PRODUCT WEIGHT & DIMENSIONS		
NET WEIGHT ± 0.5KG	95.5kg	96kg
DIMENSION (In mm)	472x450x560mm	
Lithium Battery		
MODEL	IE48VUB5120	
RATED VOLTAGE (V)	51.2V	
RATED CAPACITY (AH)	105 Ah	
NO. OF CELLS IN SERIES & PARALLEL CONNECTION	16S 1P	
RATED ENERGY (Wh)	5120	
TOTAL NO. OF CELL	16	
ELECTRICAL CHARACTERISTICS		
CHARGE AND DISCHARGE CUT-OFF VOLTAGE (V)	44.25v—51.75V	
CHARGING MODE	CC-CV	
STANDARD CHARGING CURRENT (A)	25Amp	
STANDARD DISCHARGING CURRENT	65	
ALLOWED DEPTH OF DISCHARGE (A)	80%	
MISCELLANEOUS		
CYCLE LIFE [80%DOD, 25°C, CHARGE & DISCHARGE@0.5C]	≥3500@80%	
PROTECTION CLASS	IP 20	



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