

Features:

- Compatible With 24v Solar Panels.
- Real-Time Clock for Better Utilization of Solar Power
- Solar PV Reverse Voltage Protection
- Pure Sine Wave Technology



Advantages & Applications:

VIPS TR-1500

- This PCU is Compable with 24V Panel (i.e Range 335W To 550W)
- Intelligent Solar Selecon based on built-in Real Time Clock (R.T.C.).
- Maximum utilisation of Solar Power through monitoring of abrupt weather conditions.
- Maximum Grid Power Saving by charging through "Power saving" Buon.
- Provision for seng Critical Parameters of Solar.
- Solar KWH used on digital display.
- Solar PV reverse voltage protecon.
- Advanced Pure Sine Wave Technology.
- Interacve Multicolour LCD display.
- ▶ Remote Monitoring & Controlling of the System through Wi-fi / GSM /Bluetooth Via Web or Android App.(Optional).

VIPS TR-6500

- ▶ Power Saving feature to conserve electricity, saving up to 3 units* per day.
- This PCU is capable of powering heavy loads like Inverter AC, Fridge, Washing machine, Press, Cooler etc. (NOTE: Please Consult your installer before running AC & Heavy Appliances.)
- Intelligent Solar Selection based on a built-in Real Time Clock (R.T.C.).
- Two Channel Interleaved MPPT Solar Charge Controller from single PV input.
- Maximum Grid Power Saving by charging through the "Power saving" Button.
- Provision for setting Critical Parameters of Solar.
- Solar KWH used on digital display.
- Solar PV reverse voltage protection.
- Electronic over current charging protection.
- Advanced Pure Sine Wave Technology.

VIPS TR-18000/240V

- This PCU is Compatible with 3 Nos 24V Panel (i.e Range 335W To 590W)
- Intelligent Solar Selection based on a built-in Real Time Clock (R.T.C.).
- Maximum utilization of Solar Power through monitoring of abrupt weather conditions.
- Maximum Grid Power Saving by charging through the "Power saving" Button.
- Provision for setting Critical Parameters of Solar.
- Solar KWH used on digital display.
- Solar PV reverse voltage protection.
- Electronic over current charging protection.
- Advanced Pure Sine Wave Technology.
- Interactive Multicolor LCD display.



Technical Specifications

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L3 might Lift work makes watch 2/04.10V	C.2	Low cut Recovery With Phase Match	9-12V Hysterisis from > Low Cut Voltage	9-12V Hysterisis from > Low Cut Voltage	9-12V Hysterisis from > Low Cut Voltage	
L4 Map: Lut Revery Yulti Phase Muth 9: LV Hystemis from 19: LV Hystemis 9: LV Hystemis 9: LV Hystemis 10: Hyste	C.3	High Cut With Phase Match	2/0±10V	290 ± 10V	280 ± 10V	
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CLG Change Over Time From Inverter to Mains \$ L0msec \$ 10msec 0 CHARGING MODE CHARGING MODE 0 Changing Current @ 220V AC (NC) 13.5 ± 1.0.A 3.0 ± 1.0.A 12.0 ± 1.0.A 1. Jow Changing Current @ 220V AC (NC) 13.2 ± 1.0.A 24.0 ± 1.0.A 16.0 ± 1.0.A 2. High Changing Current @ 220V AC (NC) 13.4 ± 0.2.V 13.4 ± 0.2.V (per Battery) 13.4 ± 0.2.V (per Battery) 3. Boot Changing Voltage (NC/NC) 13.4 ± 0.2.V 13.4 ± 0.2.V (per Battery) 13.7 ± 0.2.V (per Battery) 2. Solar Charge Controller MoPT CHARGE CONTROLLER (SolA) MoPT CHARGE CONTROLLER (SolA) 2. Jarge Controller Type Shife's CHANNEL INTERLEAVED MPPT 14705 ± 3500 Watt 4500 ± 300 ± 450 ± 300 ± 450 ± 300 ± 450 ± 300 ± 450 ± 300 ± 450 ± 300 ± 450 ± 300 ± 450 ± 300 ± 450 ± 300 ± 450 ± 300 ± 450 ± 350 ± 300 ± 450 ± 350 ± 300 ± 450 ± 350 ± 300 ± 300 ± 450 ± 350 ± 300 ± 450 ± 350 ± 300 ± 450 ± 350 ± 300 ± 450 ± 350 ± 300 ± 450 ± 350	C.5	Change Over Time From Mains to Inverter	≤ 10msec	≤ 40msec	≤ 40msec	
CHARGING MODE 0.1 Low Charging Current (© 200 AC (HC) 13.5 ± 1.0.A 18.0 ± 1.0.A 12.0 ± 1.0.A 1.3 Low Charging Current (© 200 AC (HC) 13.5 ± 1.0.A 24.0 ± 1.0.A 15.0 ± 1.0.A 1.3 Balt Charging Voltage (HC/NC) 13.4 ± 0.7.V 13.4 ± 0.7.V (per Battery) 13.7 ± 0.7.V (per Battery) 1.4 Solar Charge Controller Metry Charge Controller With Real Time Clock Metry Charge Controller With Real Time Clock 2.1 Solar Charge Controller Metry Charge Controller Vith Real Time Clock Solar Charge Controller Vith Real Time Clock 2.3 Max PV ingut Power 550.68 W/vitt 4900 5360 4970 - 5060 W/vitt 2.3 Max Solar Charge Controller Vither Solar Charge Controller Vith Real Time Clock 590.7 Witt Vitter Vitt	C.6	Change Over Time From Inverter to Mains	≤10msec	≤ 10msec	≤10msec	
D CHARGING MODE 1 Gew Charging Current @ 200V AC (HC) 18 5 ± 1.0.A 18.0 ± 1.0.A 16.0 ± 1.0.A 2.1 High Charging Current @ 200V AC (HC) 18 ± 1.0.A 24.0 ± 1.0.A 16.0 ± 1.0.A 3.2 16.0 ± 1.0.A 15.0 ± 1.0.A 15.0 ± 1.0.A 15.0 ± 1.0.A 3.3 16.0 ± 1.0.A 15.0 ± 1.0.A 15.0 ± 1.0.A 15.0 ± 1.0.A 4.2 10.3 ± 1.0.C W (per Battery) 13.7 ± 0.2 V (per Battery) 13.7 ± 0.2 V (per Battery) 5.4 Adar Charge Controller MPPT CHARGE CONTROLLER (50.0.N MPPT CHARGE (50.0.N MPPT 5.3 Max PV ingue Tower Stolar Charge Controller MPPT CHARGE (50.0.N MPPT 14.950 ± 5000 Watt 5.4 Max Solar Dr (nput Voltage (voc.) 600V 2500 800 ± 1.0.A 14.00V 5.4 Max Solar Dr (nput Voltage (voc.) 600V 250.9 300 ± 400V 250.9 5.4 Max Solar Dr (nput Voltage (voc.) 600V 250V 300 ± 400V 5.4 Max Solar Dr (nput Voltage (voc.) 600V 2500 300 ± 1.00V 6.4 Max Sola						
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0.1 High Charging Current @ 2200 AC (HC) 18 + 10.A 24.0 ± 1.0A 16.0 ± 1.0A 0.3 Boott Charging Voltage (HC/NC) 13.7 ± 0.2V 13.7 ± 0.2V (per Battery) 13.7 ± 0.2V (per Battery) 0.4 Float Charging Voltage (HC/NC) 13.7 ± 0.2V 13.7 ± 0.2V (per Battery) 13.7 ± 0.2V (per Battery) 1.5 Solar Charge Controller NPPT CHARGE CONTROLLER (SDA) MPPT CHARGE CONTROLLER (SDA) MPPT CHARGE CONTROLLER (SDA) 2.1 Solar Charge Controller NPPT CHARGE CONTROLLER (SDA) MPPT CHARGE CONTROLLER (SDA) MPPT CHARGE CONTROLLER (SDA) 2.2 Charge Controller (Type SNGLE CHANNEL INTERLEAVED MPPT SINGLE CHANNEL INTERLEAVED MPPT 2.3 Max Solar Input Voltage (Type) SSO-SSO 687-ISOV 340-440 V 2.5 Max Solar Input Voltage (Type) 25-50 687-ISOV 350-440 V 2.5 Max Solar Input Voltage (Type) 352-1SOV 360-440 V 2.6 Solar Battery (Darging Current 40 Anps.(default) (Settable SA to SOA) 40 A 4.7 Max Solar Input Current 40 Anps.(default) (Settable SA to SOA) 40 A 7.1 Ver Load Potection with Alarm Dover Load Shut Down Alter 6 Auto Retries <td< td=""><td>D.1</td><td>Low Charging Current @ 220V AC (NC)</td><td>13.5 ± 1.0A</td><td>18.0±1.0A</td><td>12.0 ± 1.0A</td></td<>	D.1	Low Charging Current @ 220V AC (NC)	13.5 ± 1.0A	18.0±1.0A	12.0 ± 1.0A	
0.3 Boost Charging Voltage (HC/NC) 13.4 to 2.V 14.4 to 2.V (per Battery) 14.4 to 2.V (per Battery) 0.4 Float Charging Voltage (HC/NC) 13.7 to 2.V 13.7 to 2.V 13.7 to 2.V 1.5 Solar Charge Controller NPPT CHARGE CONTROLLER (S0 Ann) NPPT CHARGE CONTROLLER (S0 Ann) 2. Charge Controller Type SINGE CHANNEL INTELLAVED MPPT INIGE CHANNEL INTELLAVED MPPT 2. Arge Controller Type SINGE CHANNEL INTELLAVED MPPT INIGE CHANNEL INTELLAVED MPPT 2. Arge Controller Type SINGE CHANNEL INTELLAVED MPPT INIGE CHANNEL INTELLAVED MPPT 2. Arge Charge Controller Type SINGE CHANNEL INTELLAVED MPPT INIGE CHANNEL INTELLAVED MPPT 2. Arge Charge Controller Type SINGE CHANNEL INTELLAVED MPPT INIGE CHANNEL INTELLAVED MPPT 2. Arge Charge Controller Type SINGE CHANNEL INTELLAVED MPPT INIGE CHANNEL INTELLAVED MPPT 2. Arge Charge Controller Type SINGE CHANNEL INTELLAVED MPPT INIGE CHANNEL INTELLAVED MPPT 2. Arge Charge Controller Type SINGE CHANNEL INTELLAVED MPPT INIGE CHANNEL INTELLAVED MPPT 2. Arge Charge Controller Type SINGE CHANNEL INTELLAVED MPPT INIGE CHANNEL INTELLAVED MPPT 2. Arge Charge Controller Type SINGE CHANNEL INTELLAVED MPPT INIGE CHANNEL INTELLAVED MPPT	D.2	High Charging Current @ 220V AC (HC)	18±1.0A	24.0±1.0A	16.0 ± 1.0A	
0.4 Float Charging Voltage (HC/NC) 13.7 ± 0.2V 12.7 ± 0.2V 13.7 ± 0.2V 13.7 ± 0.2V 13.7 ± 0.2V 12.7 ± 0.2V 13.7 ± 0.2V 12.7 ± 0.2V 13.7 ± 0.2V 14.7 ±	D.3	Boost Charging Voltage (HC/NC)	14.4±0.2V	14.4 ± 0.2V (per Battery)	14.4 ± 0.2V (per Battery)	
Solar Charge Controller MPPT CHARGE CONTROLLER (50.4) MPPT CHARGE CONTROLLER (53.4) E1 Solar Charge Controller Type SINGLE CHANNEL INTERLEAVED MPPT SINGLE CHANNEL INTERLEAVED MPPT E3 Max PV input Power SSO-850 Watt 4600-5360 14750-1650 Watt E4 Max Solar Input Voltage range (Vmpp) 25-50 68V-150V 340-440 V E4 Max Solar Input Voltage range (Vmp) 25-50 68V-150V 340-440 V E4 Max Solar Input Corrent (settable) 301-1400 60V 195V 350-850 Watt E4 Max Solar Input Corrent (settable) 301-1400 60V 195V 360-800 Watt 40 Amps.(default) [Settable 5A to 50A) 40 Amps.(default) [Settable 5A to 50A) E4 Solar Battery Charge Controller May Solar Phase Solar	D.4	Float Charging Voltage (HC/NC)	13.7±0.2V	13.7 ± 0.2V (per Battery)	13.7 ± 0.2V (per Battery)	
E Solar Charge Controller With Real Time Clock 15 Solar Charge Controller (NPPC CHARGE CONTROLLER (63A) MPPT CHARGE CONTROLLER (63A) 16.2 Charge Controller Type SINGLE CHANNEL INTERLEAVED MPPT SINGLE CHANNEL INTERLEAVED MPPT 17 Max PV input Power SS0.850 Watt 4000-5360 14759-15500 Watt 16 Max Solar Input Voltage range (Vmp) 2-5.0 SeV-150V 340-440 V 16 Solar Entry Voltage range (Vmp) 2-5.0 SeV-150V 340-440 V 16 Solar Entry Charging Current (settable) 302-140P 40 Amps.(default) (Settable SA to 50A) 40 A 17 Max Solar Input Current 40 Amps.(default) (Settable SA to 50A) 40 A 40 A 16.1 Over Load Shut Down Rest Through ON/OFF Switch or Mains 17.3 Battery Low Shut Down Rest Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains 17.4 Battery Low Shut Down Reset Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains 17.5 Ba						
E.1 Solar charge Controller / ype MPPT CHARGE CONTROLLER (SGA) MPPT CHARGE CONTROLLER (GSA) E.2 Charge Controller / ype SINGLE CHANNEL INTERLAVED MPPT SINGLE CHANNEL INTERLAVED MPPT E.3 Max PV input Power SSD-850 Watt 4900-SSD0 E.4 Max Solar Input Voltage range (Vmp) 25 250 680V-150V E.5 Max Solar Input Voltage range (Vmp) 300 400 Amps. (default) (settable SA to SOA) E.6 Solar Statery Charging Current (settable) 301Amp 40 App. (default) (settable SA to SOA) E.6 Solar Potteront (Anton Controller / ype 40 Amps. (default) (settable SA to SOA) 40 Amps. (default) (settable SA to SOA) F.1 Over Load Protection with Alarm Over Load Shut Down After 6 Auto Retries Over Load Shut Down After 6 Auto Retries Over Load Shut Down After 6 Auto Retries F.2 Over Load Protection with Alarm 10.860.2V 10.860.2V 10.860.2V F.8 Battery Low Alarm 10.860.2V 10.860.2V 10.860.2V F.8 Battery Low Shut Down Reset Through ON/OFF Switch, Mains or Solar Through ON/OFF Switch, Mains or Solar F.6 Over Load Shut Down After 4 Auto Retries Battery Low Shut Down After 4 Auto Retries F.6 Over Temperature Protection With Alarm thould be ON(55 \$ \$^{+}C); should be ON(55 \$	E		Solar Charge Controller W	ith Real Time Clock	1	
E.2 Charge Controller Type SINGLE CHANNEL INTERLEAVED MPPT SINGLE CHANNEL INTERLEAVED MPPT E.3 Max Finiput Power SS08 SOW tat 4900-3360 14750-15600 Watt E.4 Max Solar Input Voltage range (Vnc) 60V 195V 340-440 V E.5 Max Solar Input Voltage (Voc) 60V 195V 350V E.5 Max Solar Input Voltage (Voc) 60V 195V 340-440 V E.5 Max Solar Input Current (settable) 301:Amp 40 Amps.(default) (Settable 5A to 50A) 40 Amps.(default) (Settable 5A to 50A) 40 Amps.(default) (Settable 5A to 50A) F. PEROTECTION PEROTECTION PEROTECTION F.1 Over Load Shut Down Reset Through ON/OFF switch or Mains Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains Or Solar F.3 Battery Low Shut Down Reset Through ON/OFF switch, Mains or Solar Through ON/OFF Switch, Mains or Solar Through ON/OFF Switch, Mains or Solar F.4 Battery Low Shut Down Reset Through ON/OFF Switch, Mains or Solar Through ON/OFF Switch, Mains or Solar Through ON/OFF Switch, Mains or Solar F.6 Over Teamperature Protection With Alarm Shoud the OK(95 ± 5 °C); should be OK(95 ± 5	E.1	Solar Charge Controller	MPPT CHARGE CONTROLLER (50 Amp)	MPPT CHARGE CONTROLLER (63A)	MPPT CHARGE CONTROLLER (63A)	
E.3 Max PV input Power SSO 450 Watt 490-3560 14750-1550 Watt E4 Max Solar Input Voltage range (Vmp) 25-50 68V-150V 390-440 V E5 Max Solar DC Input Voltage (Voc) 60V 195V 550 V E6 Solar Battery Charging Current (settable) 30±1Amp 40 Amps.(default) (Settable 5A to 50A) 40 A 7 Max. Solar Input Current 40 Amps.(default) (Settable 5A to 50A) 40 A 40 A 7 Max. Solar Input Current (settable) 40 Amps.(default) (Settable 5A to 50A) 40 A 7 Max. Solar Input Voltage (Voc) 60V 108-02V 40 A 7 Ver. Load Shut Down After 6 Auto Retries Over Load Shut Down After 6 Auto Retries Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains 7.1 Over Load Shut Down Reset Through ON/OFF Switch or Mains or Solar Through ON/OFF Switch or Mains or Solar Through ON/OFF Switch Mains or Solar 7.5 Battery Low Shut Down Reset Through ON/OFF Switch Mains or Solar Through ON/OFF Switch Mains or Solar Through ON/OFF Switch or Mains or Solar 7.6 Over Tengeratrue Protection With Alarm should be OK(95 ± 5 °C); should be OK(95 ± 5 °C); should be OK(95 ± 5 °C); 7.5 Short Circuit Protection Batery Mode) Mains PCB Trip Mains PCB Trip	E.2	Charge Controller Type	SINGLE CHANNEL INTERLEAVED MPPT	SINGLE CHANNEL INTERLEAVED MPPT	SINGLE CHANNEL INTERLEAVED MPPT	
E4 Max Solar Input Voltage range (Vmpp) 25-50 88/V-SDV 340-440 V E5 Max Solar Chiput Voltage (Voc) 60 V 195V 550 V E6 Solar Battery Charging Current (settable) 30±1Amp 40 Amps.(default) (Settable 5A to 50A) 40 A E7 Max. Solar Input Current 40 Amps.(default) (Settable 5A to 50A) 40 A 40 A F PROTECTION PROTECTION F PROTECTION F1 Over Load Shut Down After 6 Auto Retries Over Load Shut Down After 6 Auto Retries Over Load Shut Down After 6 Auto Retries F2 Over Load Shut Down After f Auto Retries Over Load Shut Down After 6 Auto Retries Through ON/OFF Switch or Mains F3 Battery Low Alarm 10 & & 20 X 10 & & 20 X 10 & & 20 X F4 Battery Low Alarm 10 & & 20 X 10 & & 20 X 10 & & 20 X F5 Battery Low Shut Down After 6 Auto Retries Battery Low Shut Down After 6 Auto Retries 10 & & 20 X F6 Voer Inparture Protection Battery Low Shut Down After 6 Auto Retries 10 & & 20 X F7 Short Circuit Protection Mith Alarm Shoud be OK(95 ± 5*C); F8 Short Circuit Retry Mattery Mode) Ore Ore One	E.3	Max PV input Power	550-850 Watt	4900-5360	14750-16500 Watt	
E.5 Max Solar DC Input Voltage (Voc) 60V 195V 550 V E6 Solar Battery Charging Current (settable) 302Jamp 40 Amps.(default) (Settable 5A to 50A) 40 A E7 Max. Solar Input Current 40 Amps.(default) (Settable 5A to 50A) 40 A 40 A F PROTECTION Over Load Protection with Alarm Over Load Shut Down After 6 Auto Retries Over Load Shut Down After 6 Auto Retries Over Load Shut Down After 6 Auto Retries F.2 Over Load Shut Down Reset Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains F.3 Battery Low Namm 10 & 0.2 V 10 & 80.2 V 10 & 80.2 V F.4 Battery Low Shut Down Reset Through ON/OFF Switch, Mains or Solar Through ON/OFF Switch, Mains or Solar F.6 Over Temperatrure Protection With Alarm should be OK(95 ± 5 °C);	E.4	Max Solar Input Voltage range (Vmpp)	25-50	68V-150V	340-440 V	
E.6 Solar Battery Charging Current (settable) 302 Amp 40 Amps.(default) (Settable 5A to 50A) 40 Amps.(default) (Settable 5A to 50A) E.7 Max. Solar Input Current 40 Amps.(default) (Settable 5A to 50A) 40 A F PROTECTION PROTECTION F.1 Over Load Shut Down After 6 Auto Retries Over Load Shut Down After 6 Auto Retries Over Load Shut Down After 6 Auto Retries F.2 Over Load Shut Down After 6 Auto Retries Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains F.3 Battery Low Alarm 10.840.2V 10.830.2V 10.830.2V A Battery Low Protection Battery Low Shut Down After 4 Auto Retries Battery Low Shut Down After 4 Auto Retries F.6 Over Temperature Protection With Alarm should be CK(55 ± °C); should be CK(55 ± °C); should be CK(55 ± °C); F.7 Short Circuit Route Mains Mode Mains PCB Tip Mains PCB Tip Mains PCB Tip F.8 Short Circuit Route Rattery Mode) Yes Yes Yes Yes F.9 Short Circuit Route Rattery Mode) One One One One F.11 Mains MCB Tip Functional Functional Functional	E.5	Max Solar DC Input Voltage (Voc)	60V	195V	550 V	
E.7 Max. Solar Input Current 40 Amps. (default) (Settable 5A to 50A) 40 A 40 A Max. Solar Input Current 40 Amps. (default) (Settable 5A to 50A) 40 A 40 A P PATTINE PATTINE PATTINE PATTINE F1 Over Load Shut Down After 6 Auto Retries Over Load Shut Down After 6 Auto Retries Over Load Shut Down After 6 Auto Retries Through 0N/OFF Switch or Mains F2 Over Load Shut Down Reset Through 0N/OFF Switch or Mains Through 0N/OFF Switch or Mains Through 0N/OFF Switch or Mains F3 Battery Low Alarm 10.840.2V 10.840.2V 10.840.2V F4 Battery Low Shut Down After 4 Auto Retries Battery Low Shut Down After 4 Auto Retries Battery Low Shut Down After 4 Auto Retries F5 Battery Low Shut Down Reset Through 0N/OFF Switch , Mains or Solar Through 0N/OFF Switch , Mains or Solar F6 Over Temperatrue Protection With Alarm should be 0K(95 ± 5 °C);	E.6	Solar Battery Charging Current (settable)	30±1Amp	40 Amps.(default) (Settable 5A to 50A)	40 Amps.(default) (Settable 5A to 50A)	
PROTECTION F1 Over Load Shut Down Reset Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains F2 Over Load Shut Down Reset Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains F3 Battery Low Alarm 10.840.2V 10.840.2V 10.840.2V F4 Battery Low Protection Battery Low Shut Down After 4 Auto Retries Battery Low Shut Down After 4 Auto Retries F5 Battery Low Shut Down Reset Through ON/OFF Switch, Mains or Solar Through ON/OFF Switch, Mains or Solar Through ON/OFF Switch, Mains or Solar F6. Over Treeperatrue Protection With Alarm Should be CK(95 ± 5 °C); should be CK(95 ± 5 °	E.7	Max. Solar Input Current	40 Amps.(default) (Settable 5A to 50A)	40 A	40 A	
F Dever Load Protection with Alarm Over Load Shut Down After 6 Auto Retries Over Load Shut Down After 6 Auto Retries Over Load Shut Down After 6 Auto Retries 20 Over Load Shut Down Reset Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains 7.3 Battery Low Alarm 10.80.2V 10.80.2V 10.80.2V 7.4 Battery Low Shut Down Reset Through ON/OFF Switch, Mains or Solar Through ON/OFF Switch, Mains or Solar 7.5 Battery Low Shut Down Reset Through ON/OFF Switch, Mains or Solar Through ON/OFF Switch, Mains or Solar 7.6 Over Temperature Protection With Alarm should be OK(95 ± 5 °C);						
F.1 Over Load Shut Down After 6 Auto Retries Over Load Shut Down After 6 Auto Retries Over Load Shut Down Rest Through ON/OFF Switch or Mains F.2 Over Load Shut Down Reset Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains F.3 Battery Low Alarm 10.880.2V 10.880.2V 10.880.2V F.4 Battery Low Protection Battery Low Shut Down After 4 Auto Retries Battery Low Shut Down After 4 Auto Retries F.5 Battery Low Natro Down Reset Through ON/OFF Switch, Mains or Solar Through ON/OFF Switch, Mains or Solar F.6 Over Temperatrure Protection With Alarm should be O(S(§ ± 5 * C); should be O(S(§ ± 5 * C); F.7 Short Circuit @ Mains Mode Mains PCB Trip Mains PCB Trip Mains PCB Trip F.8 Short Circuit Protection (Battery Mode) Yes Yes Yes F.9 Short Circuit Retry (Battery Mode) Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains F.11 Mains MCB Trip Functional Functional Functional F.12 P.V. REVERSE PROTECTION WITH ALARM Available Available F.13 Mains NOL Trip Functional Functional Functional F.11 Mains MCB Trip Functional Functional Functi	F	PROTECTION				
F.2 Over Lead Shut Down Reset Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains F.3 Battery Low Alarm 10.840.2V 10.840.2V 10.840.2V F.4 Battery Low Protection Battery Low Shut Down After 4 Auto Retries Battery Low Shut Down Reset Through ON/OFF Switch , Mains or Solar F.5 Battery Low Shut Down Reset Through ON/OFF Switch , Mains or Solar Through ON/OFF Switch , Mains or Solar Through ON/OFF Switch , Mains or Solar F.6 Over Temperature Protection With Alarm should be OK(95 ± 5 °C); should be OK(95 ± 5 °C); should be OK(95 ± 5 °C); F.8 Short Circuit Protection (Battery Mode) Yes Yes Yes F.9 Short Circuit Protection (Battery Mode) One One One F.10 Mains PCB Trip Mains PCB Trip Mains PCB Trip Mains PCB Trip F.11 Mains MCB Trip Functional Functional Functional F.12 Not Circuit Reset (Battery Mode) Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains F.13 Mains MCB Trip Functional Functional Functional F.11 Mains MCB Trip Functional Functional Functional F.12 N.2 VEVERSE ROTECTION WITH ALARM Available Available A	F.1	Over Load Protection with Alarm	Over Load Shut Down After 6 Auto Retries	Over Load Shut Down After 6 Auto Retries	Over Load Shut Down After 6 Auto Retries	
F.3 Battery Low Alarm 10.80.2V 10.80.2V 10.80.2V F.4 Battery Low Protection Battery Low Shut Down After 4 Auto Retries Battery Low Shut Down After 4 Auto Retries F.6 Battery Low Shut Down Reset Through ON/OFF Switch, Mains or Solar Through ON/OFF Switch, Mains or Solar F.6 Over Temperature Protection With Alarm should be OK(95±5°C); should be OK(95±5°C); should be OK(95±5°C); should be OK(95±5°C); F.7 Short Circuit @ Mains Mode Mains PCB Trip Mains PCB Trip Mains PCB Trip F.8 Short Circuit Retry (Battery Mode) Yes Yes Yes F.10 Short Circuit Retry (Battery Mode) One One One F.11 Mains MCB Trip Functional Functional Functional F.12 P.V. REVERSE PROTECTION WITH ALARM Available Available Available A CMAINS VOLTAGE C C C Proverting OSPLAY G.2 O/P LOAD IN % C C C C G.3 BATTERY INPUT VOLTAGE C C C G.4 BATTERY CHARGING / DISCHARGING CURRYNT (BAR GRAPH) C C C G.5 SOLAR KWH USED C C C C G.6 <td>F.2</td> <td>Over Load Shut Down Reset</td> <td>Through ON/OFF Switch or Mains</td> <td>Through ON/OFF Switch or Mains</td> <td>Through ON/OFF Switch or Mains</td>	F.2	Over Load Shut Down Reset	Through ON/OFF Switch or Mains	Through ON/OFF Switch or Mains	Through ON/OFF Switch or Mains	
F.4 Battery Low Protection Battery Low Shut Down After 4 Auto Retries Battery Low Shut Down After 4 Auto Retries F.5 Battery Low Shut Down Reset Through DN/OFF Switch, Mains or Solar Through DN/OFF Switch, Mains or Solar F.6 Over Temperature Protection With Alarm should be OK(95 ± 5 °C); should be OK(95 ± 5 °C); F.7 Short Circuit @ Mains Mode Mains PCB Trip Mains PCB Trip F.8 Short Circuit Retry (Battery Mode) Yes Yes F.9 Short Circuit Retry (Battery Mode) One One F.10 Mains MCB Trip Functional Functional F.11 Mains MCB Trip Functional Functional F.12 Short Circuit Retry (Battery Mode) One One F.11 Mains MCB Trip Functional Functional F.12 P.V. REVERSE PROTECTION WITH ALARM Available Available ACCESSIBLE PARAMETERS VIO OFERATING DISPLAY Sectored Sectored G.2 O/P LOAD IN % Sectored G.3 BATTERY INPUT VOLTAGE G.4 BATTERY CHARGING CURRYNT (BAR GRAPH) G.5 SOLAR STATUS G.	F.3	Battery Low Alarm	10.8±0.2V	10.8±0.2V	10.8±0.2V	
F.5 Battery Low Shut Down Reset Through ON/OFF Switch , Mains or Solar Through ON/OFF Switch , Mains or Solar F.6 Over Temperature Protection With Alarm should be OK(95 ± 5 °C); should be OK(95 ± 5 °C); Short Circuit @ Mains Mode Mains PCB Trip Mains PCB Trip Mains PCB Trip F.8 Short Circuit @ Mains Mode Ves Yes Yes F.9 Short Circuit Reset (Battery Mode) One One One One F.10 Short Circuit Reset (Battery Mode) Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains F.11 Mains RCB Trip Functional Functional Functional Functional F.12 P.V. REVERSE PROTECTION WITH ALARM Available Available Available Available VEXTONE VIDENCETION WITH ALARM Available Available Available Available Solar Circuit Reset (Battery INPUT VOLTAGE Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan= 2" Solar KWH USED Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan= 2" Solar KWH USED </td <td>F.4</td> <td>Battery Low Protection</td> <td>Battery Low Shut Down After 4 Auto Retries</td> <td>Battery Low Shut Down After 4 Auto Retries</td> <td>Battery Low Shut Down After 4 Auto Retries</td>	F.4	Battery Low Protection	Battery Low Shut Down After 4 Auto Retries	Battery Low Shut Down After 4 Auto Retries	Battery Low Shut Down After 4 Auto Retries	
F.6 Over Temperatrure Protection With Alarm should be OK(95 ± 5 °C); should be OK(95 ± 5 °C); should be OK(95 ± 5 °C); F.7 Short Circuit @ Mains Mode Mains PCB Trip Mains PCB Trip Mains PCB Trip F.8 Short Circuit Rey (Battery Mode) Yes Yes Yes F.9 Short Circuit Rey (Battery Mode) One One One F.10 Short Circuit Rey (Battery Mode) Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains F.11 Mains MCB Trip Functional Functional Functional F.12 P.V. REVERSE PROTECTION WITH ALARM Available Available Available A CMAINS VOLTAGE Accessible PARAMETERS VIO OPERATING DISPLAY Available Available G.1 AC MAINS VOLTAGE Accessible PARAMETERS VIO OPERATING DISPLAY G.3 BATTERY INPUT VOLTAGE G.2 O/P LOAD IN % Image: Comperating Context Comperating Comperating Comperating Comperating Comp	F.5	Battery Low Shut Down Reset	Through ON/OFF Switch , Mains or Solar	Through ON/OFF Switch , Mains or Solar	Through ON/OFF Switch , Mains or Solar	
F.7 Short Circuit @ Mains Mode Mains PCB Trip Mains PCB Trip F.8 Short Circuit Protection (Battery Mode) Yes Yes F.9 Short Circuit Retry (Battery Mode) One One F.10 Short Circuit Retry (Battery Mode) Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains F.11 Mains MCB Trip Functional Functional Functional F.11 Mains MCB Trip Functional Functional Functional F.12 Nort Circuit Reset (Battery Mode) Available Available Available F.11 Mains MCB Trip Functional Functional Functional F.12 Nort Circuit Reset (Battery Mode) Available Available Available A Available Available Available Available G.1 AC MAINS VOLTAGE	F.6	Over Temperatrure Protection With Alarm	should be OK(95±5°C);	should be OK(95±5°C);	should be OK(95±5°C);	
F.8 Short Circuit Protection (Battery Mode) Yes Yes F.9 Short Circuit Retry (Battery Mode) One One One F.10 Short Circuit Retry (Battery Mode) Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains F.11 Mains MCB Trip Functional Functional Functional F.11 Mains MCB Trip Functional Functional Functional F.12 P.V. REVERSE PROTECTION WITH ALARM Available Available Available A ACMAINS VOLTAGE Accessible PARAMETERS VIO OPERATING DISPLAY Accessible PARAMETERS VIO OPERATING DISPLAY G.1 AC MAINS VOLTAGE Accessible PARAMETERS VIO OPERATING DISPLAY Accessible PARAMETERS VIO OPERATING DISPLAY G.2 O/P LOAD IN % Accessible PARAMETERS VIO OPERATING DISPLAY Accessible PARAMETERS VIO OPERATING DISPLAY G.3 BATTERY INPUT VOLTAGE Accessible PARAMETERS VIO OPERATING DISPLAY Accessible PARAMETERS VIO OPERATING DISPLAY G.3 BATTERY INPUT VOLTAGE Accessible PARAMETERS VIO OPERATING DISPLAY Accessible PARAMETERS VIO OPERATING DISPLAY G.4 BATTERY INPUT VOLTAGE Accessible PARAMETERS VIO OPERATING DISPLAY Accessible PARAMETERS VIO OPERATING DISPLAY G.5 SOLAR KWH USED Accessible PARAMETERS VIO APERATUS	F.7	Short Circuit @ Mains Mode	Mains PCB Trip	Mains PCB Trip	Mains PCB Trip	
F.9 Short Circuit Retry (Battery Mode) One One One F.10 Short Circuit Reset (Battery Mode) Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains F.11 Mains MCB Trip Functional Functional Functional F.12 P.V. REVERSE PROTECTION WITH ALARM Available Available Available ACCESSIBLE PARAMETERS VIO OPERATING DISPLAY Accessible PARAMETERS VIO OPERATING DISPLAY Image: Comparison of Com	F.8	Short Circuit Protection (Battery Mode)	Yes	Yes	Yes	
F.10 Short Circuit Reset (Battery Mode) Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains Through ON/OFF Switch or Mains F.11 Mains MCB Trip Functional Functional Functional F.12 P.V. REVERSE PROTECTION WITH ALARM Available Available Available Accessible PARAMETERS VIO OPERATING DISPLAY Accessible PARAMETERS VIO OPERATING DISPLAY Image: Comparison of the comparison the comparison of the comparison of the compa	F.9	Short Circuit Retry (Battery Mode)	One	One	One	
F.11 Mains MCB Trip Functional Functional Functional F.12 P.V. REVERSE PROTECTION WITH ALARM Available Available Available ACCESSIBLE PARAMETERS VIO OPERATING DISPLAY Accessible PARAMETERS VIO OPERATING DISPLAY Image: Comparison of the comparison of	F.10	Short Circuit Reset (Battery Mode)	Through ON/OFF Switch or Mains	Through ON/OFF Switch or Mains	Through ON/OFF Switch or Mains	
F.12 P.V. REVERSE PROTECTION WITH ALARM Available Available Available ACCESSIBLE PARAMETERS VIO OPERATING DISPLAY G.1 AC MAINS VOLTAGE	F.11	Mains MCB Trip	Functional	Functional	Functional	
ACCESSIBLE PARAMETERS VIO OPERATING DISPLAY G.1 AC MAINS VOLTAGE G.2 O/P LOAD IN % G.3 BATTERY INPUT VOLTAGE G.4 BATTERY CHARGING / DISCHARGING CURRYNT (BAR GRAPH) G.5 SOLAR KWH USED G.6 SOLAR STATUS G.7 Warnings or Protections Status G.7 Warnings or Protections Status Smart Solar Selection Logic based on built in Real Time Clock (SL-1,SL-2,SL-3,SL-4). Provision for Charging by Solar Power Only. Logic: Provision for Setting Critical Parameters of Solar. Ability to provide rated output power directly from solar panels (if solar is available) in addition charges the battery Intelligently give the priority to solar power and take the balance from Mains.	F.12	P.V. REVERSE PROTECTION WITH ALARM	Available	Available	Available	
G.1 AC MAINS VOLTAGE G.2 O/P LOAD IN % G.3 BATTERY INPUT VOLTAGE G.4 BATTERY INPUT VOLTAGE G.4 BATTERY CHARGING / DISCHARGING CURRYNT (BAR GRAPH) G.5 SOLAR KWH USED G.6 SOLAR STATUS G.7 Warnings or Protections Status G.7 Warnings or Protections Status G.7 Warnings or Protections Status G.7 Provision for Charging by Solar Power Only. Provision for Charging by Solar Power Only. Provision for Setting Critical Parameters of Solar. Ability to provide rated output power directly from solar panels (if solar is available) in addition charges the battery Intelligently give the priority to solar power and take the balance from Mains.		ACCESSIBLE PARAMETERS VIO OPERATING DISPLAY				
G.2 O/P LOAD IN %	G.1	AC MAINS VOLTAGE				
G.3 BATTERY INPUT VOLTAGE G.4 BATTERY CHARGING / DISCHARGING CURRYNT (BAR GRAPH) G.5 SOLAR KWH USED G.6 SOLAR STATUS G.7 Warnings or Protections Status G.8 Smart Solar Selection Logic based on built in Real Time Clock (SL-1,SL-2,SL-3,SL-4). Provision for Setting Critical Parameters of Solar. Ability to provide rated output power directly from solar panels (if solar is available) in addition charges the battery Intelligently give the priority to solar power and take the balance from Mains. </td <td>G.2</td> <td>O/P LOAD IN %</td> <td></td> <td></td> <td></td>	G.2	O/P LOAD IN %				
G.4 BATTERY CHARGING / DISCHARGING CURRYNT (BAR GRAPH) G.5 SOLAR KWH USED G.6 SOLAR STATUS G.7 Warnings or Protections Status Smart Solar Selection Logic based on built in Real Time Clock (SL-1,SL-2,SL-3,SL-4). Provision for Charging by Solar Power Only. Logic: Provision for setting Critical Parameters of Solar. Ability to provide rated output power directly from solar panels (if solar is available) in addition charges the battery Intelligently give the priority to solar power and take the balance from Mains.	G.3	BATTERY INPUT VOLTAGE				
G.5 SOLAR KWH USED	G.4	BATTERY CHARGING / DISCHARGING CURRYNT (BAR G	GRAPH)			
G.6 SOLAR STATUS G.7 Warnings or Protections Status Smart Solar Selection Logic based on built in Real Time Clock (SL-1,SL-2,SL-3,SL-4). Provision for Charging by Solar Power Only. Logic: Provision for setting Critical Parameters of Solar. Ability to provide rated output power directly from solar panels (if solar is available) in addition charges the battery Intelligently give the priority to solar power and take the balance from Mains.	G.5	SOLAR KWH USED				
G.7 Warnings or Protections Status	G.6	SOLAR STATUS				
Smart Solar Selection Logic based on built in Real Time Clock (SL-1,SL-2,SL-3,SL-4). Provision for Charging by Solar Power Only. Logic: Provision for setting Critical Parameters of Solar. Ability to provide rated output power directly from solar panels (if solar is available) in addition charges the battery Intelligently give the priority to solar power and take the balance from Mains.	G.7	Warnings or Protections Status				
Smart Solar Selection Logic based on built in Real Time Clock (SL-1,SL-2,SL-3,SL-4). Image: Solar Selection Logic based on built in Real Time Clock (SL-1,SL-2,SL-3,SL-4). Provision for Charging by Solar Power Only. Image: Solar Selection Logic based output power Only. Logic: Provision for Setting Critical Parameters of Solar. Ability to provide rated output power directly from solar panels (if solar is available) in addition charges the battery Intelligently give the priority to solar power and take the balance from Mains.						
Provision for Charging by Solar Power Only.		Smart Solar Selection Logic based on built in Real Tim	ne Clock (SL-1,SL-2,SL-3,SL-4).	<u> </u>	1	
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Ability to provide rated output power directly from solar panels (if solar is available) in addition charges the battery	Logic:	Provision for setting Critical Parameters of Solar			1	
Intelligently give the priority to solar power and take the balance from Mains.		Ability to provide rated output power directly from solar panels (if solar is available) in addition charges the battery				
	1	Intelligently give the priority to solar power and take	the balance from Mains.			