

TECHNICAL SPECIFICATION MODEL - SUPERB 2675VA/24V MPPT SOLAR PCU

SPD-SB-262-024-01 PRODUCT FG CODE

Mains AC low cut UPS mode 175VAC ± 10VAC

Mains AC low cut recovery UPS mode 185VAC ± 10VAC

Mains AC high cut UPS mode 265VAC ± 10VAC

Mains AC high cut recovery UPS mode

255VAC ± 10VAC

Mains AC low cut recovery W.UPS mode

Mains AC low cut WUPS mode

90VAC ± 10VAC

110VAC + 10VAC

295VAC ± 10VAC

285VAC ± 10VAC

48Hz to 52Hz Same as input

Same as input

LA / Tubular / SMF

24V

27.4V±0.2V

28V±0.3V

28.8V±0.3V

29.6±0.2V Yes (Independent Charger to Recover Deep Discharge Battery)

15A±3A

220VAC±10%

50Hz ± 0.2 Hz Pure Sine Wave ≤ 5% THD

> <1 8A 2500VA

70A ± 2A

21.6V±0.2V

20.8V±0.2V

< 10msec < 25msec

MOSFET Temp. Controlled Fan

Yes provided, system will indicate on display at 101% load

System will shutdown after 3 - retries in case of output short circuit

Mains MCB will trip

System will shutdown in case of back feed and there is no retry

Yes provided, if heat sink temperature goes above 100°C System will shut down

DC fuse will blown

Yes provided by electronic

MPPT

1500WATT

100±2V

50Amp

> 93%

Yes provided, it will also display on LCD panel

Menu(Select),up,Down,Esc.

Yes provided If PV power is not sufficient enough to charge the battery, system will start sharing battery

charging from PV and grid.

Mains will be connect when battery voltage reach at defined value of the battery voltage. 20%- if battery voltage is 25.0v±0.2V 30%- if battery voltage is 24.0v±0.2V

40%- if battery voltage is 23.0v±0.2V 50%- if battery voltage is 22.0v±0.2V

Welcome, SMARTEN Website Address, System Capacity, Charging Till 90VAC and Deep Discharge Battery

System Setting, UPS / WUPS mode, I/P range 90-295VAC / 170-265VAC, Battery Type Selected LA / SMF / Tubular, DOD. 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, Battery Current, PV Current, PV Voltage. Mains Low Cut, Mains High Cut, Mains Not Available, Mains Frequency Cut

Mains Fuse Blown / MCB Trip, Short Circuit, Overload, Battery Low, High Temperature, Back feed

Mains Fuse Blown / MCB Trip, Short Circuit, Overload, Battery Low, High Temperature, Back feed

Leakage current <5mA when 1.5kV applied for 1 min

Leakage current <5mA when 1.5kV applied for 1 min

>5MΩ between @ 500VDC

>5MΩ between @ 500VDC

< 2.5mA

< 2.5mA

0°C to 50°C

0°C to 50°C

90% Non-Condensing

425X315X335

Yes Provided, you can set by front switch

Sharing of current when PV and Grid Both are available DOD definition(Depth of Discharge)

DOD (Depth of Discharge)

DISPLAY AND ALARMS

LCD Initial Display

LCD Status Display

HV Test Input to Earth HV Test Output to Earth

IR Test Input to Earth

ENVIRONMENT Operating Temperature

DIMENSIONS

Dimensions in mm Weight (Kg)

Storage Temperature

Operating Relative Humidity

IR Test Output to Earth

Buzzer

SAFETY

LCD Fault / Protection Status Display

Earth Leakage current in Mains mode

Earth Leakage current in Backup mode

MAINS INPUT MODE

Mains AC high cut WUPS mode

Voltage Output in Mains Mode Mains Charging Enable/Disable

Frequency Output in Mains Mode

Battery Quantity 12V 100Ah to 220Ah

Boost charging voltage for LA Battery

Bulk Absorption Battery Voltage

Discharging current @ full load

Change over time UPS mode

Change over time WUPS mode Switching Element

Short Circuit in Backup Mode

Phase to Phase protection in mains mode

SOLAR CHARGE CONTROLLER Solar Charge Controller type

Max Panel wattage can be connected

Short Circuit in Mains Mode

Battery deep Discharge Recovery Charging Current By Grid

Boost charging voltage for Tubular and SMF Battery

Input Frequency Range

BATTERY Battery Type

DC input voltage

BACKUP MODE Output voltage

Output frequency

Output waveform No Load current

Low Battery Warning

Low Battery Cut

PROTECTIONS Overload in backup mode

Over temperature

Reverse Battery

PV Voltage Range

Efficiency

Switches

Maximum Battery current

Reverse current flow to PV

Reverse PV protection

Back feed

Capacity

Float charging voltage

Mains AC high cut recovery W.UPS mode