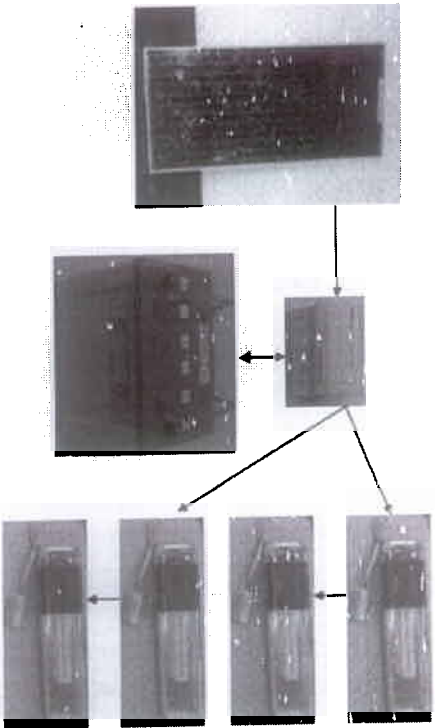




TATA BP SOLAR INDIA LIMITED

PRODUCT SPECIFICATION

VENUS - 70 INDOOR LIGHTING SYSTEM



WORKING PRINCIPLE:

The Solar Module charges the battery during day time, will charge the flooded thick plate battery. The four 9W CFL luminaire can used daily for 4 hours a day any time as required.

SOLAR MODULE:

Reliable and high efficiency mono/multicrystalline solar module supplied with the lantern:

Nominal Peak Power	:	70 Wp at STC
Peak Charging Voltage	:	17V (typical)
Peak Charging Current	:	4A (typical)

BATTERY:

- Type : Flooded, Thick plate battery
- Capacity : 75Ah, 12V battery
- Life : 2 - 3 years
- Maintenance : Once in 3 months top up

LUMINAIRE:

Unique and ergonomically designed luminaire with the following features:

- LAMP : PL9 - 9W CFL
- Light output : 600 Lumens nominal
- Polarised Plug-in connectors for easy installation and maintenance with fool proof connection to prevent reverse connection
- Preheating provided for best lamp life

Venus:

Compact and efficiency solar charge controller:

- Charging : Up to 80Wp module
- Load : 10A
- Protects battery against over charge and deep discharge
- Reverse polarity, Over load / short circuit protection provided by fuse
- Indications of On-Charge to indicate the battery charging in progress and Load OFF (for battery low) and battery reverse connection (Fuse will blow) indications provided.

Features:

- Cost effective, optimum sized system
- Good reliable electronics
- Conformal coating provided for PCB assemblies to operate reliably under high humid conditions like coastal region.
- Spare fuses supplied with the system
- Supplied with complete set of module mounting structure, cables and accessories.
- Operating Temperature : 0 to 50 deg C

PREPARED :	CHECKED :	APPROVED :	DATE : 27.7.04	DOC. No. 7190.G226	Sheet 1 of 1	REV : 1
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