



## ELECTRONICS REGIONAL TEST LABORATORY (NORTH)



## TEST REPORT

TEST REPORT NUMBER	DATE	PAGE NO.
ERTL(N)/90(4)-2K6/06CC1227/SYS	14/06/2007	01 OF 03
Service Request No.06T1068	Date :21/03/2007	
Name & Address of the Client	INSTA POWER LTD., S-19, PANCHSHILA PARK, NEW DELHI -110017.	
Description/ Identification of the Item:- Nomenclature	SOLAR STUD	
Model No./Type No.	IP-SRS1.T	
Value/Tolerance	---	
Serial No. (s)	1001	
No. of Samples	1No.	
Trade Mark/Make	---/INSTA POWER	
Year of Manufacture	2007	
Applicable Standard Specification IS/IEC/JSS/other	QM333/INDENTER'S	
Manufacturer's Name & address	INSTA POWER LTD., S-19, PANCHSHILA PARK, NEW DELHI -110017.	
Name & address where testing carried out (Subcontracting/Single Window/On-Site/ Using Customer Facilities)	ERTL (N)	
Test Method/Operating Procedure	IEC:61215:2005, QM333	
Condition of item on its receipt	Good	
Date of receipt of item	21/03/2007	
Date of Completion of Testing	06/06/2007	

Issued By

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## Test Results:

Sl. No.	Cl. No.	Parameter	Nominal Value/ Requirements	Measured Value/ Observations	Remarks
1.0	---	Battery Type	Ni-Cd type 1.2V	Satisfactory	---
2.0	---	Reflector	Reflective grade plastic reflector fixed around the LED area.	Satisfactory	---
3.0	---	Dimension	125x125x75mm $\pm$ 2mm	Satisfactory	---
4.0	---	Autonomy	Battery backup for four (04) 'No-sun' days.	Satisfactory 97 hrs.	---
5.0	---	Flashing Rate	Shall be 1.5-2.0Hz	Satisfactory 1.71 Hz	---
6.1	---	Dust Test (IP 5X)	Conditioning	Conditioned	---
6.2		Functional Test after Dust Test	Shall work satisfactorily	Satisfactory	---
6.3		Water Test (IP X5)	Conditioning	Conditioned	---
6.4		Functional Test after Water Test (IP X5)	Shall work satisfactorily	Satisfactory	---
7.0	---	Operating Temperature at i) -25deg.C for 24 Hrs. ii) 55deg. C for 24 Hrs.	i) Conditioning. ii) The item shall continuously flash during the test.	i) Conditioned ii) In compliance	---
7.1	---	Functional Test	Shall function Satisfactorily.	Satisfactory	---
8.0	---	Thermal Cycling Test between -40deg.C and 85deg.C for 21 cycles (126 hrs.), Cycle duration: 6 hrs. Rate of temp. rise/fall not exceeding 100deg.C.	Conditioning	Conditioned	---
8.1	---	Functional Test	Shall function Satisfactorily.	Satisfactory	---
9.0	---	Vibration Test as per QM333	Conditioning	Conditioned	---
9.1	---	Functional Test	Shall function Satisfactorily.	Satisfactory	---

Issued By  
B. S. Wadgaonkar



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Remarks: a) This report pertains to the parameters mentioned in the test results column.

Service Request No. 0511069 Date: 21/03/2007

Name & Address of the Client: INSTA POWER LTD.,  
-19, PANCHSHILA PARK,  
NEW DELHI -110017.

Name & Year of Fabrication of the Item: 2007

Model No./Type No.:

Value/Weight:

Serial No.:

No. of Samples:

Trade Mark/Mark:

Year of Manufacture:

Standard Specification:

Manufacturer's Name & Address:

Name & Address where the test is conducted (Contracting/Single Window/In House/Using Customer Facilities):

Test Method/Operating Procedure:

Condition of Item on Receipt:

Result of Test:

Date of Completion of Testing:

Approved By  
(HARCHARAN LAL)  
Scientist "D"

Issued By  
(VED PRAJAPATI)  
FOR DIRECTOR  
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