

FIRST ANGLE PROJECTION

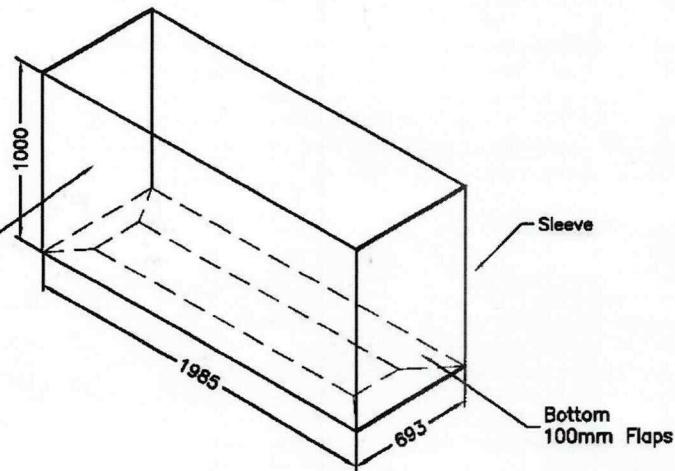
ALL DIMENSIONS ARE IN mm

DRAWING NO. 3-988-06-003-10

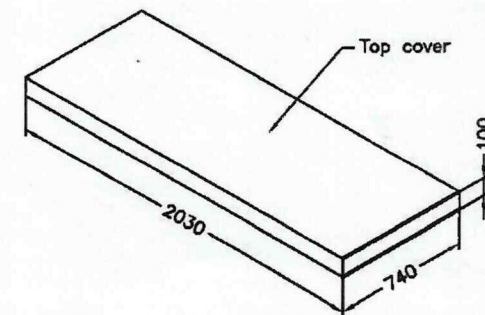
Part no. (1) Sleeve (corrugated carton box)

Text to print in blue colour on both side, detail are given in the next page

Sleeve inner dimension

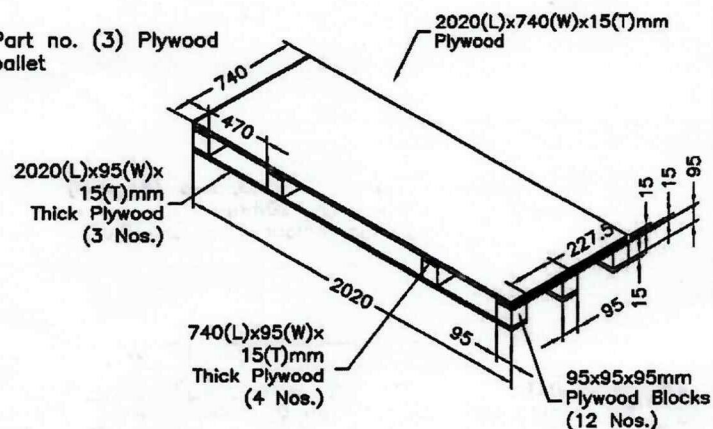


Part no. (2) Top cover (corrugated carton)



Top cover inner dimension

Part no. (3) Plywood pallet



Notes for corrugated sheet :

1. Flute direction to be along the height of the box.
2. Sleeve & flap are to be formed from same corrugated sheet.

| Specifications    | Sleeve                               | Top cover                |
|-------------------|--------------------------------------|--------------------------|
| Paper combination | 469/ 200/180/ 200/ 180/ 200/ 469 GSM | 300/180/200/ 180/200 GSM |
| Paper colour      | Brown                                | Brown                    |
| Flute Type        | AAA OR ACB                           | AC                       |
| No. of PLY        | 7 PLY                                | 5 PLY                    |



**BHARAT HEAVY ELECTRICALS LIMITED.**  
ELECTRIC & PHOTOVOLTAIC DIVISION, BENGALURU

| DRN  | NAME | SIGN. | DATE     | No. OF VAR |
|------|------|-------|----------|------------|
| CKD  | RKP  | -SD/- | 21.08.20 |            |
| APPD | GSK  | -SD/- | 21.08.20 |            |

| REV. | DATE     | ALTERED  | REV. | DATE | ALTERED  |
|------|----------|----------|------|------|----------|
|      |          | CHECKED  |      |      | CHECKED  |
|      |          | APPROVED |      |      | APPROVED |
| 01   | 24.08.20 |          |      |      |          |

Correction on part (4) on sheet 3 of 4, Correction on Part (8) & BOM on sheet 4 of 4

DEPT. SPV  
CODE 0901

FOR UNSPECIFIED TOLERANCES REFER IS 2102



SCALE  
NTS

WEIGHT(Kg)

REF. TO ASSY. DRG.

ITEM NO. No. OF ITEM

TITLE  
**PACKING BOX FOR**  
72 CELL MODULE 19 IN 1 BOX

DRAWING NO.  
**3-988-06-003-10**

REV.  
01

SHEET NO. 01 NO. OF SHEETS 04

FIRST ANGLE PROJECTION

ALL DIMENSIONS ARE IN mm

DRAWING NO. 3-988-06-003-10

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SIGN &amp; DATE

REF. DRG. NO.

INVENTORY NO.

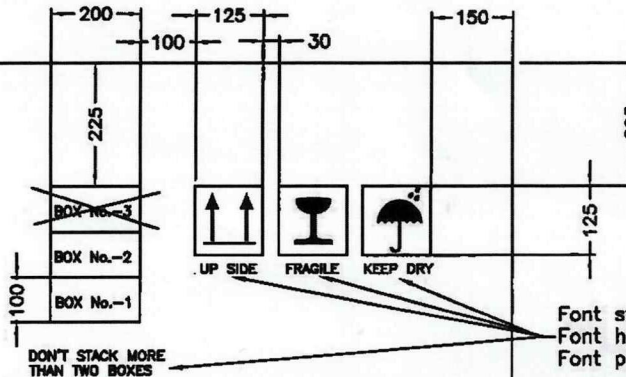
Font style : Capital, Arial (Regular)  
Font height : 30mm  
Font print colour : Peacock Blue

GLASS HANDLE WITH CARE

SOLAR PV MODULE : 72 CELL PV MODULE

QUANTITY : 19 NOS.

GROSS Wt. :  $\approx$  460 Kgs.



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**BHARAT HEAVY ELECTRICALS LIMITED**  
ELECTRIC & PHOTOVOLTAIC DIVISION, BENGALURU, INDIA.  
website : <http://www.bhel.com> / <http://www.bhelceramics.com>

### Printing Details

For remaning dimension  
refer document no.  
- AA0401121, Rev.-03

Font style : Capital & small, Arial (Regular)  
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Font style : Small, Arial (Regular)  
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Font print colour : Peacock Blue

|                                                                                         |                                          |       |      |            |                    |                 |          |                  |
|-----------------------------------------------------------------------------------------|------------------------------------------|-------|------|------------|--------------------|-----------------|----------|------------------|
| <b>BHARAT HEAVY ELECTRICALS LIMITED.</b><br>ELECTRIC & PHOTOVOLTAIC DIVISION, BENGALURU |                                          | DRN   | RKP  | SIGN.      | -SD/-              | DATE            | 21.08.20 | No. OF VAR       |
|                                                                                         |                                          | CKD   | GVRB | SIGN.      | -SD/-              | DATE            | 21.08.20 |                  |
|                                                                                         |                                          | APPD  | GSK  | SIGN.      | -SD/-              | DATE            | 21.08.20 |                  |
| DEPT. SPV                                                                               | FOR UNSPECIFIED TOLERANCES REFER IS 2102 | SCALE | NTS  | WEIGHT(Kg) | REF. TO ASSY. DRG. |                 | ITEM NO. | No. OF ITEM      |
| CODE 0901                                                                               |                                          |       |      |            |                    |                 |          |                  |
| TITLE                                                                                   |                                          |       |      |            |                    | DRAWING NO.     |          | REV.             |
| PACKING BOX FOR 72 CELL MODULE 19 IN 1 BOX                                              |                                          |       |      |            |                    | 3-988-06-003-10 |          | 01               |
|                                                                                         |                                          |       |      |            |                    | SHEET NO. 02    |          | NO. OF SHEETS 04 |



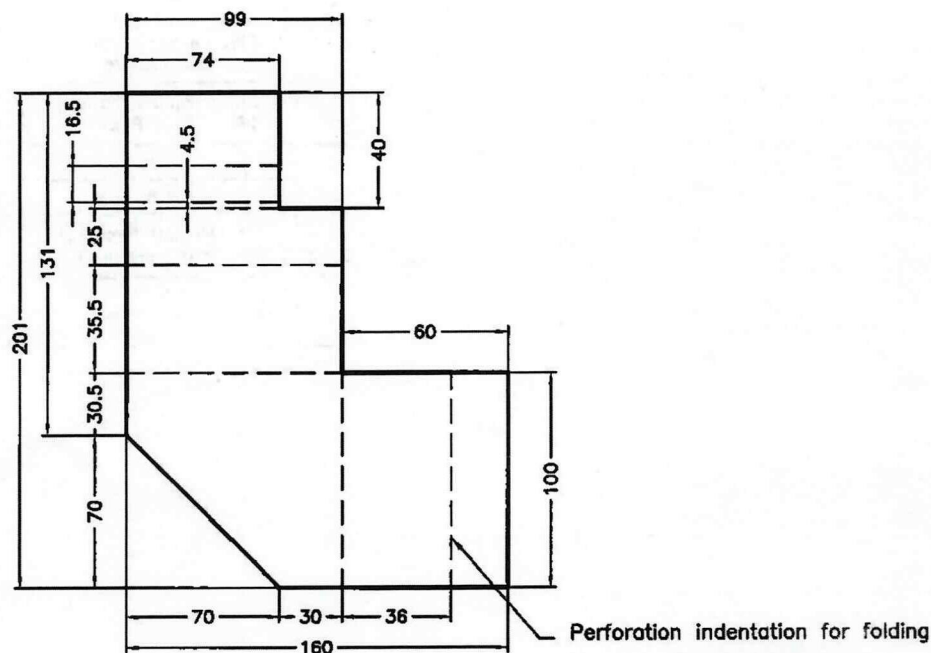
FIRST ANGLE PROJECTION

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DRAWING NO. 3-988-06-003-10

Part no. (4) Bottom sheet 1970(L) x 675(W)mm, 5 PLY  
250/180/180/180/250 GSM sheet, (corrugated carton)

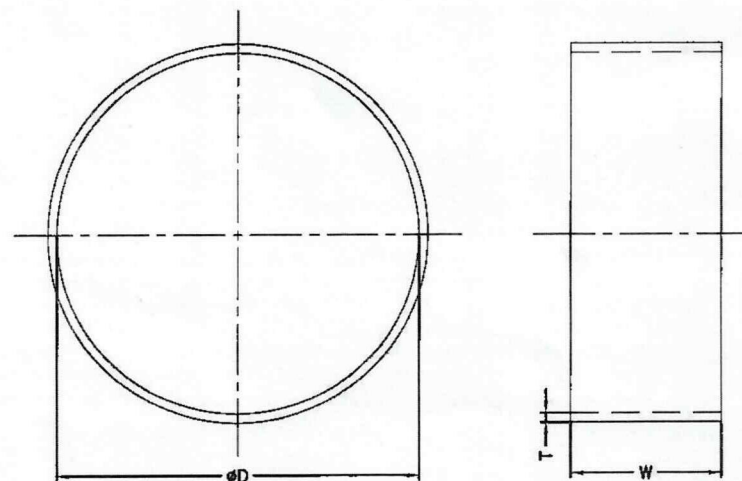
Part no. (5) Module corner cap (corrugated carton)



Module corner cap. (3 PLY)

Thickness mim. 1.0mm

Part no. (6) Hard Card Board PET Strap



1. Material : Hard Card Board
2. Inner dia (D) :  $395 \leq D \leq 403$  mm
3. Outer dia :  $\leq 550$  mm (including PET polythene strap)
4. Width (W) :  $165 \pm 2$  mm
5. Thickness (T) :  $T \leq 8$  mm

Part no. (7) PET Strap

1. Material : PET
2. Width : 16 mm
3. Thickness : 0.7 mm
4. Finish : Embossed
5. Breaking strength :  $450 \pm 5$  % Kgs/cm<sup>2</sup> (Indicative only)
6. Elongation :  $12\% \leq E \leq 15\%$  (Indicative only)
7. Weight :  $\leq 20$  kg (including hard card board)



BHARAT HEAVY ELECTRICALS LIMITED.  
ELECTRIC & PHOTOVOLTAIC DIVISION, BENGALURU

| DRN  | NAME | SIGN. | DATE     | No. OF VAR |
|------|------|-------|----------|------------|
| RKP  |      | -SD/- | 21.08.20 |            |
| CKD  | CVRB | -SD/- | 21.08.20 |            |
| APPD | GSK  | -SD/- | 21.08.20 |            |

| DEPT. SPV | FOR UNSPECIFIED TOLERANCES REFER IS 2102 | SCALE | WEIGHT(Kg) | REF. TO ASSY. DRG. | ITEM NO. | No. OF ITEM |
|-----------|------------------------------------------|-------|------------|--------------------|----------|-------------|
| CODE 0901 |                                          | NTS   |            |                    |          |             |

| TITLE                                         | DRAWING NO.      | REV. |
|-----------------------------------------------|------------------|------|
| PACKING BOX FOR<br>72 CELL MODULE 19 IN 1 BOX | 3-988-06-003-10  | 01   |
| SHEET NO. 03                                  | NO. OF SHEETS 04 |      |

DRAWING NO.  
3-988-06-003-10

3

4

5

6

7

8

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REF. DRG. NO.SIGN & DATE  
REF. DRG. NO.

INVENTORY NO.

## Part no. (8) LD Polythene cover / wrapper

1. Material : Low density (LD)
2. Dimension (L x W x H) : 2050 x 755 x 1100 mm
3. Thickness (T) :  $\geq 50$  micro meter
4. All five side shall have cover wall and bottom side shall be open

## Part no. (9) Adhesive Tape

1. Adhesiveness : Adequate
2. Width (W) :  $\geq 50$  mm
3. Color : Brown

## Part no. (10) Strapper metal clamp

1. Material : GI (Zinc white passivated)

## Part no. (11) Hardware - Screw &amp; Washer

1. CSK Head phillip drive screw
2. Screw material : MS (Zinc white passivated)
3. Screw size : 5 x 60 mm (with Head)
4. Washer material : MS (Zinc white passivated)
5. Washer size : OD 20 mm & ID : suitable for screw, thickness  $\geq 0.5$  mm

## Bill of material for Packing of SPV modules (19 No.) in One Box

| Sl. No. | Description                                        | Quantity per Box                             | Unit  |
|---------|----------------------------------------------------|----------------------------------------------|-------|
| 1.      | Part no. (1) Sleeve (corrugated carton box)        | 01                                           | EA    |
| 2.      | Part no. (2) Top cover (corrugated carton)         | 01                                           | EA    |
| 3.      | Part no. (3) Plywood pallet                        | 01                                           | EA    |
| 4.      | Part no. (4) Bottom sheet (corrugated carton)      | 01                                           | EA    |
| 5.      | Part no. (5) Module corner cap (corrugated carton) | 40                                           | EA    |
| 6.      | Part no. (6) Hard Card Board PET Strap             | Qty. as per total PET strap required         |       |
| 7.      | Part no. (7) PET Strap                             | 21.3 (Manual Packing)<br>28.1 (Auto Packing) | meter |
| 8.      | Part no. (8) LD Polythene cover / wrapper          | 01                                           | EA    |
| 9.      | Part no. (9) Adhesive Tape                         | 5.5                                          | meter |
| 10.     | Part no. (10) Strapper metal clamp                 | 4 (Manual Packing)<br>2 (Auto Packing)       | EA    |
| 11.     | Part no. (11) Hardware - Screw                     | 10                                           | EA    |
| 12.     | Part no. (11) Hardware - Washer                    | 10                                           | EA    |

|                                                                                                                                                                              |                                          |       |                 |       |                    |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------|-----------------|-------|--------------------|----------|
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|                                                                                                                                                                              |                                          | DRN   | RKP             | -SD/- |                    | 21.08.20 |
|                                                                                                                                                                              |                                          | CKD   | GVRB            | -SD/- |                    | 21.08.20 |
|                                                                                                                                                                              |                                          | APPD  | GSK             | -SD/- | 21.08.20           |          |
| DEPT. SPV                                                                                                                                                                    | FOR UNSPECIFIED TOLERANCES REFER IS 2102 | SCALE | WEIGHT(Kg)      |       | REF. TO ASSY. DRG. | ITEM NO. |
| CODE 0901                                                                                                                                                                    |                                          | NTS   |                 |       |                    |          |
| TITLE                                                                                                                                                                        |                                          |       | DRAWING NO.     |       | REV.               |          |
| PACKING BOX FOR 72 CELL MODULE 19 IN 1 BOX                                                                                                                                   |                                          |       | 3-988-06-003-10 |       | 01                 |          |
|                                                                                                                                                                              |                                          |       | SHEET NO. 04    |       | NO. OF SHEETS 04   |          |