The root directory for PhysWatt on the Qosain cloud is:

Type B / PhysWatt / Machining Packages /

Mechanical:

Following files are to be laser cut on the white acrylic sheets. These files can be found in *… Minimal / Mechanical / Cutting Files* directory. Also, the source files can be found at *… Source / Mechanical / Cutting Files*

Part	File name (.dxf)	No. of units in one dxf file	Acrylic Sheet Size (mm x mm)
Single			
PhysWatt Front, Back, Left, Right sides	1x_Acrylic_Plate_1.8mm_cutting.dxf	1	193 x 76
PhysWatt Top, Bottom sides	1x_Acrylic_Plate_3.6mm_cutting.dxf	1	630 x 220
Batch			
PhysWatt Front, Back, Left, Right sides	12x_Acrylic_Plate_1.8mm_cutting.dxf	12	1200 x 640
PhysWatt Top, Bottom sides	6x_Acrylic_Plate_3.6mm_cutting.dxf	6	1150 x 900

Following parts are to be printed on 3D resin printer. These files can be found in *… Minimal / Mechanical / 3D Resin Printer Files* directory. Also, the source files can be found at *… Source / Mechanical / Lychee Scene Files*

Part	File name (.ctb)	No. of parts in one ctb file	Printing time	Resin Quantity (ml)
Single				
PhysWatt Knobs	PhysWatt_Knob_x2.ctb	2	58 minutes	3.75
Batch				
PhysWatt Knobs	PhysWatt_Knobs_x8.ctb	8	58 minutes	15
PhysWatt Buttons	PhysWatt_Buttons_x14.ctb	14	38 minutes	15

Following files are to be printed on 3D FDM printer. These files can be found in *… Minimal / Mechanical / 3D FDM Printer Files* directory. Also, the source files can be found at *… Source / Mechanical / Cura Scene Files*

Note: The Corner Stacking Blocks files are located in *Type B / Common / Corner Stacking Blocks / Machining Packages / Minimal*

Part	File name (.x3g)	No. of parts in one x3g file	Printing time	PLA length (m)
PhysWatt Adapter Clamps	Adapter_Clamps_x2.x3g	2	42 minutes	3.3
PhysWatt Potentiometer and Banana Connector Spacers	Both_Spacer_1_Set.x3g	2 + 4	10 minutes	0.8

PhysWatt Foldable Foot (Base + Hinge)	Foldable_Foot_Base_Hinge_1_Set.x3g	4 + 2	39 minutes	3.3
Corner Stacking Blocks	Corner80mm_x4.x3g	4	2 hours 39 minutes	14
Batch				
Corner Stacking Blocks	Corner80mm_x15.x3g	15	9 hours 35 minutes	52

Electrical:

Following is the list of files to be provided to the JLC PCBs. These files can be found at *… Minimal / Electrical / PhysWatt_Sent_To_JLC*

These are the zip files containing all the gerber data for the JLC PCBs to manufacture PhysWatt PCBs

File name	File description	No of PCBs in each file
BackPCB - CADCAM.ZIP	Gerber data for PhysWatt Back PCB	1
FrontPCB - CADCAM.ZIP	Gerber data for PhysWatt Front PCB	
DriverPCB - CADCAM.ZIP	Gerber data for PhysWatt Driver PCB	

Also, all the source files can be found at *… Source / Electrical*

Appendix A:

Bill of Materials for PhysTherm (Electrical)			
Item name	Link	Count	Cost (Rs)