

SUNMAX 6SP 650W



3 Times Foldable Design
For The Smallest Package

YOUR PLANTS WE CARE

Sunmax 6SP 650w Series is Specially Designed for Commercial Indoor Horizontal and Vertical Growing Environments, Saving Electric Cost, Releasing Maximum PAR Efficiency & Uniform Lighting Distribution with Great Yield



Features

- ◆ Fanless Design
- ◆ High light efficiency LEDs
- ◆ High efficacy up to 2.8umol/J
- ◆ ETL, DLC, CE, RoHS Standard
- ◆ IP65 Waterproof
- ◆ 0-10V RJ14 Port+ Knob Dimmer
- ◆ 3 years warranty+2 Years Extension
- ◆ Covering Full-cycle Growing Stages
- ◆ All in One Design, No Need Assemble, 3 Times Foldable, Smallest Package,
- ◆ Easy to Transport&Install, Plug and Play



Technical Specification

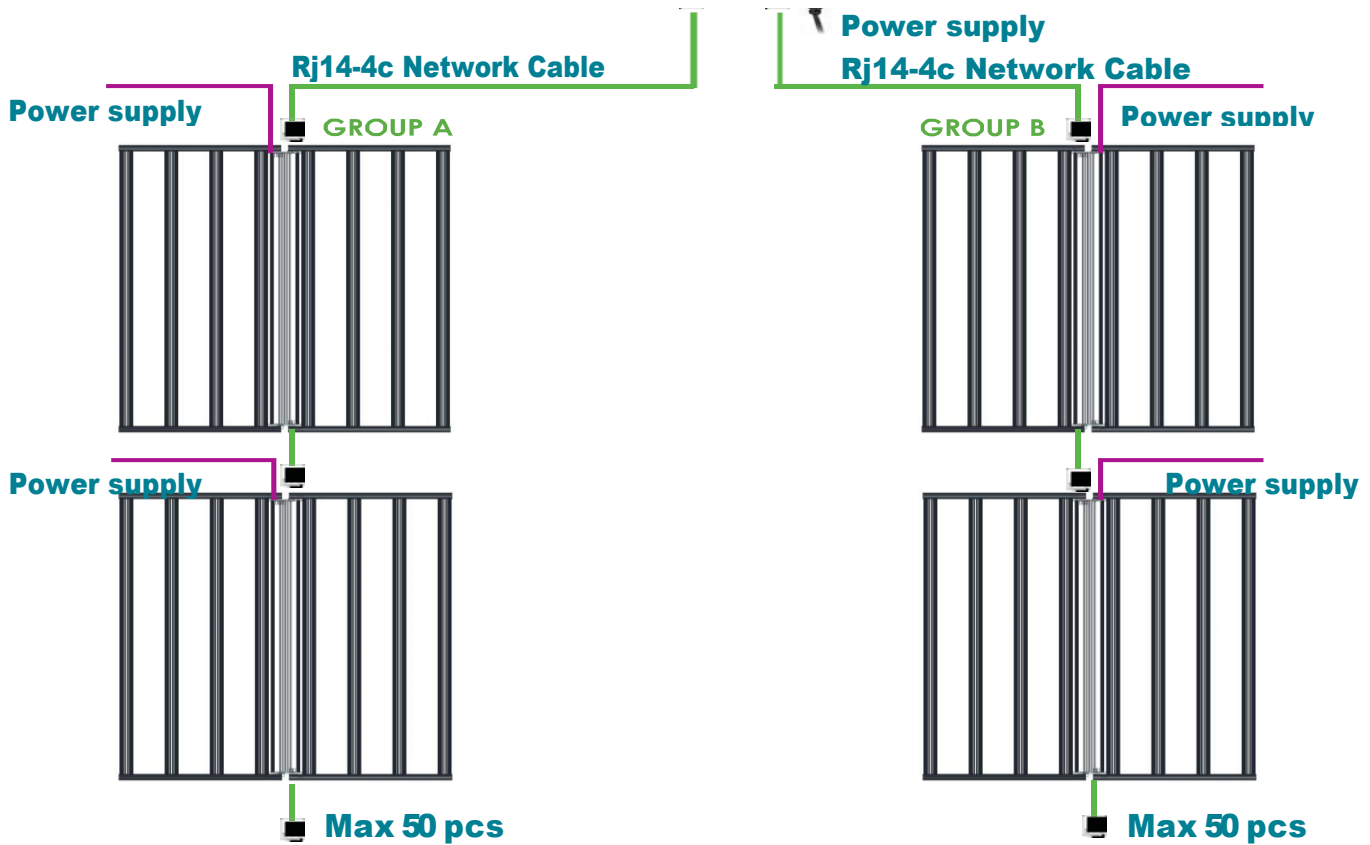
Model	Sunmax 6SP-650w
Actual Power	650w/6 bars
Spectrum	3000k+6500k+660nm+730nm
Efficacy	2.8 umol/J
PPF	1820 umol/s
BTU/H	2218
Driver	Inventronics/Sosen
Input Voltage	AC 100-277V / 347-547V (customized) 50/60Hz
Power Factor	>0.9
Light Distribution	120°
Dimming Range	0-10V/1-10V
Dimension	1100*1100*68mm
Lifespan	>50,000 Hours
Certificate	ETL, cETL, DLC, CE, RoHS
CRI	>85
IP Rating	IP65
Warranty	3 Years Warranty+2 Years Extension
Footprint	5*5 VEG; 4*4 Flower
Package Size	117*45*18cm (46*18*7 Inch)
Application	Indoor Medical Plants Cultivation

Max Amperage

Model	SunMax 6SP-650w
Amperage	5.9A@110V 2.7A@240V 2.34A@277V

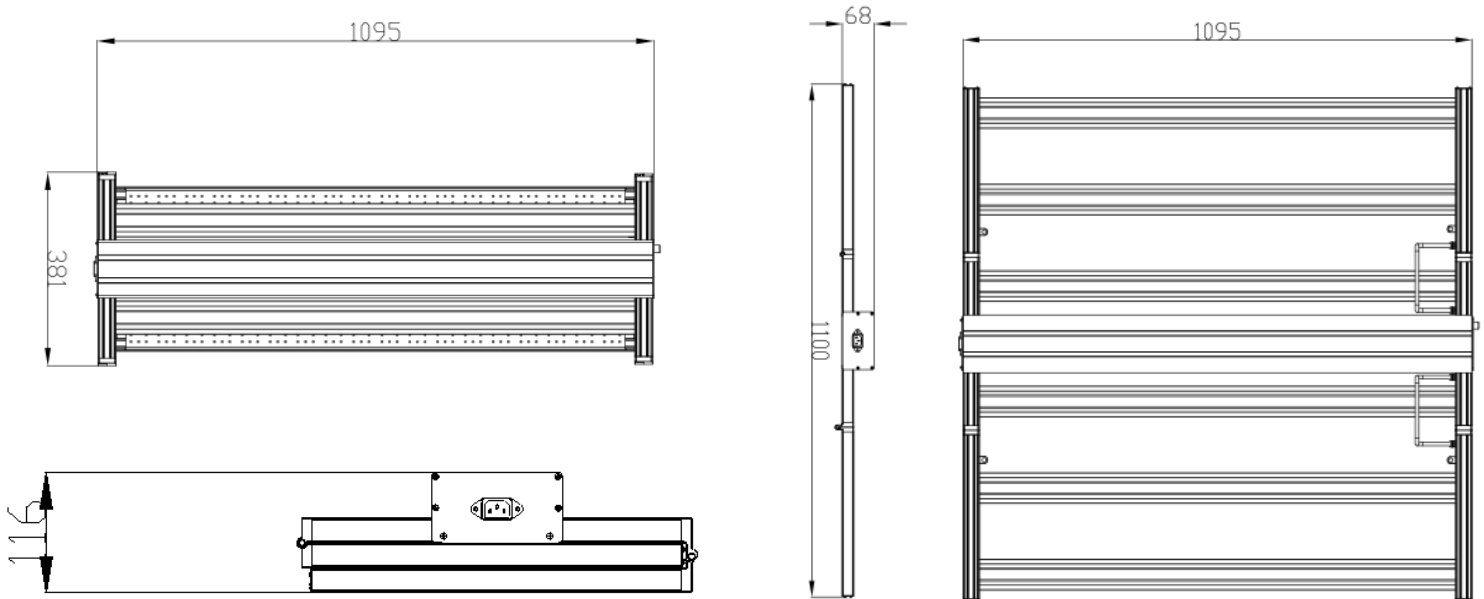
Control circuit diagram

Lighting Controller

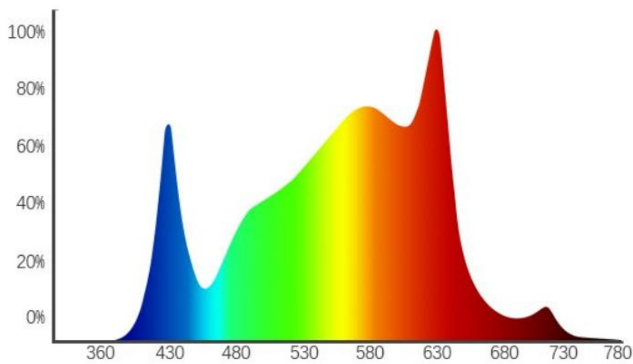


Dimension

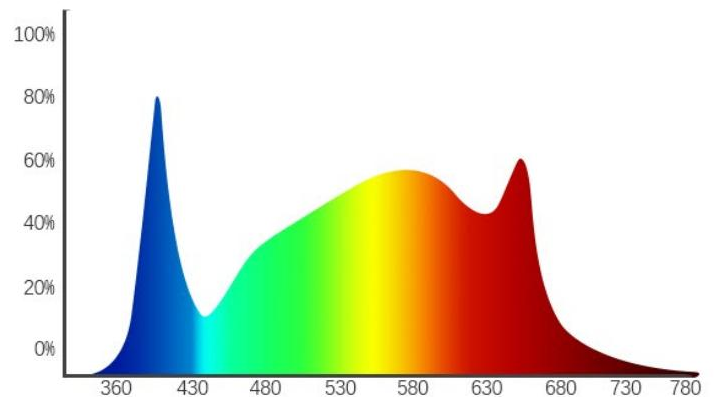
6 Bar 650W



Spectrum



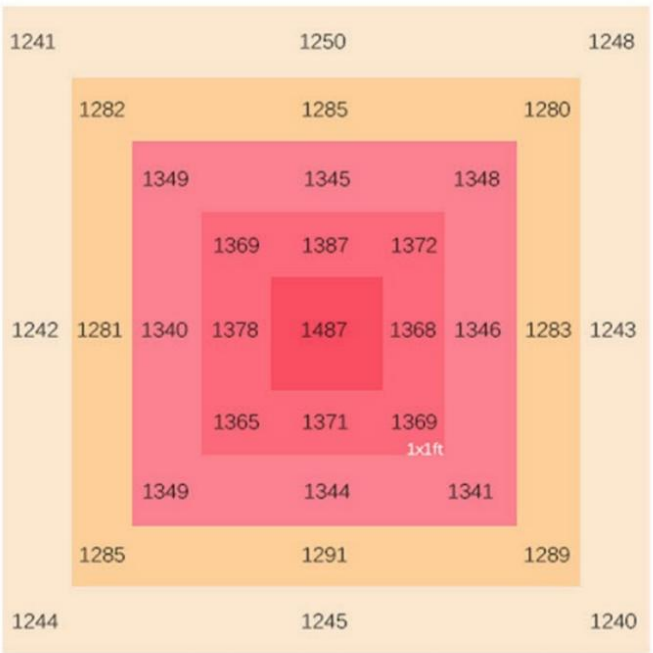
Flower Spectrum



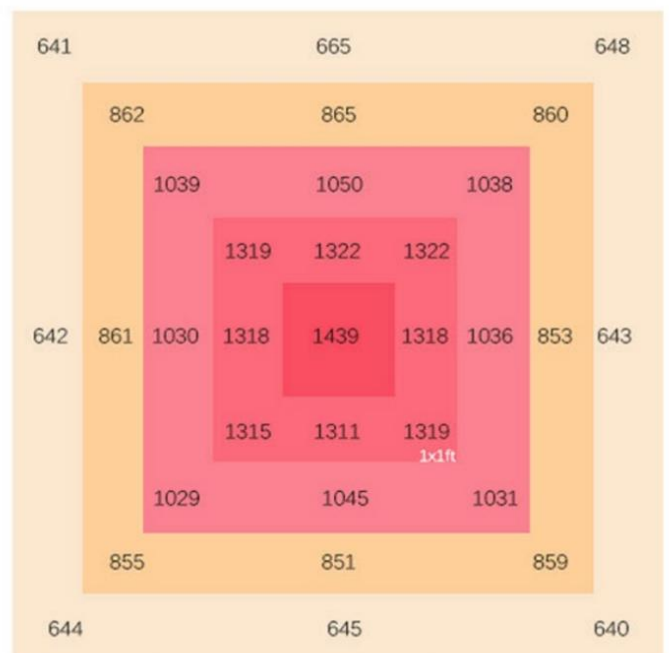
VEG Spectrum

- ◆ Red -Promote longitudinal growth.elongate stem and petiole.enlarge leaves,
- ◆ Blue -Promote growth.thicken stem,increase chlorophyll contents,improve density of stomata of leaf
- ◆ Orange -Promote seeds germination and longitudinal growth
- ◆ Green-Promote the formation of oxygen during photosynthesis
- ◆ Violet-Thicken leaves and flowers, resist extension of stem and leaves,help to form anthocyanin
- ◆ Far Red-Speed Photosynthesis rates,stimulate cell elongation.important for Bloom and seeds germination
- ◆ White -Supplement special spectra by combined with different spectra

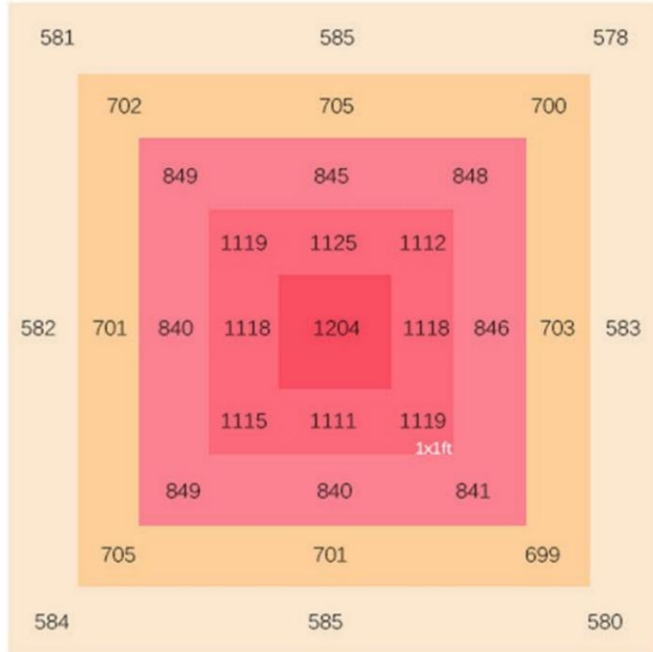
Package & Plug Choice



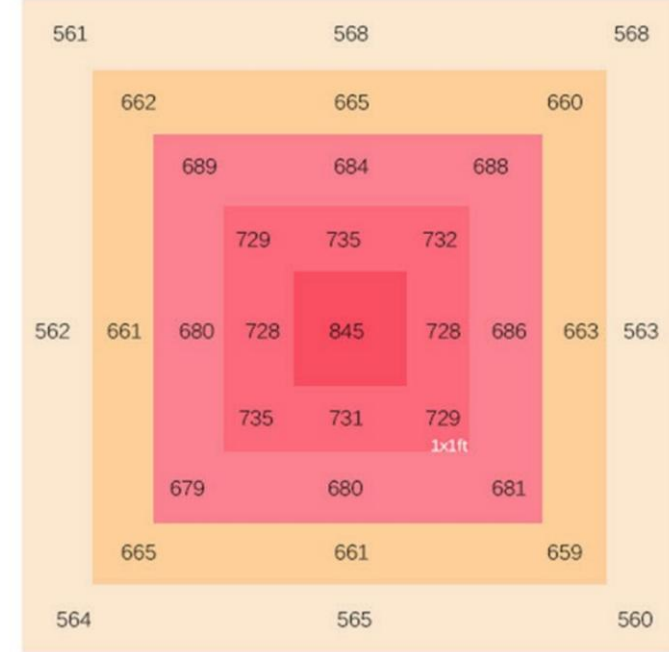
4" / 0.3ft / 10cm



6" / 0.5ft / 15cm



12" / 1ft / 30cm

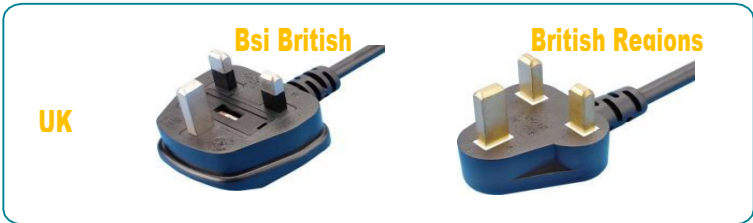
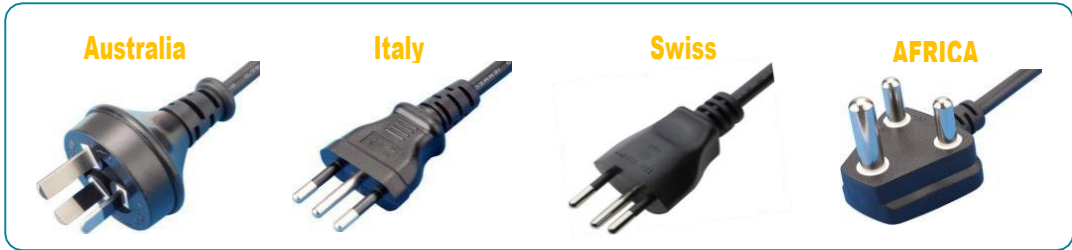


24" / 2ft / 60cm

Package & Plug Choice



Quantity	Package	Dimension	G. Weight
1 unit	1 box	117*45*18cm (46*18*7Inch)	15.8kg(35Lbs)



Installation

①



②



③



④



⑤



Suggestions & Tips

Proposal

- ◆ Ideal Working Hours: Veg 14-16 Hours / Flowers 12 Hours.
- ◆ The Working Environment for the Light: -20~40°C, 45%RH~90%RH.
- ◆ The Ideal Distance Between Lights Fixture and Plants: 3ft-4ft for Veg; 2-3ft for Flower.
- ◆ Don't Touch or Move or Watch Directly to the Lighting When The Light Working.

Tips

- ◆ Recommended Indoor Working Temp.: Daytime 22-28 Degrees, Night 20-22 Degrees.
- ◆ Recommended Carbon Dioxide Concentration: 1000 to 1500 ppm.
- ◆ Recommended Hydraulic VPD: 1.0-1.49kPa/ Night: 0.8-1.2kPa.
- ◆ Recommended Relative Humidity: Leaf Stage: 75-80% /Pre-Flowering Stage: 60-70%/ Late Flowering 50-55%.
- ◆

