

SPECIFICATION FOR HLS LUMINAIRE – 9/7 W FOUR PIN.

General		
Application	Solar PV Home systems, RV systems, Village electrification, standby light source	
Use	Indoor	
Lamp Type	Compact Fluorescent Lamp, 4 Pin, Single U	
Lamp Wattage	7 W	9W
Rated Light output (Lumens)	370 ± 5%	600 ± 5%
Lamp colour temperature	4700 Deg K (Cool white)	
Light coverage	> 180 Deg	
Rated Lamp life (Average)	8000 Hrs	
Light output degradation after 1000 ON/OFF (2 min ON & 4 min OFF)	< 10%	< 10%
Electrical		
Rated working voltage	12V DC	
Working voltage range	10.5 to 14V DC	
Inverter type	Quasi Sine wave, Free running	
Inverter frequency	24-28 kHz	
Inverter efficiency	> 82%	
Crest factor	< 1.6	
DC component at the output voltage	Nil	
Lamp starting	Soft start	
Preheating time	1.0 to 1.8 Seconds	
Discharge current through lamp during preheating	Nil	
Lamp power (Typ) @ High frequency	6.5 W	8.5 W
Current consumption @12VDC Input	0..65A ± 10%	0.8 A ± 10%
Reverse Battery protection	Provided with glass cartridge fuse	
Overload protection	Provided with glass cartridge fuse	
ON/OFF switch	Provided Hanging switch with 0.5 mt length cable	
Mechanical		
Fixing	Wall mounting with screws, CF Lamp in base up configuration	
Connecting wire entry	1 mm ² wire with fork terminals	
Case	Injection Molded Engineering Plastic Fire Retardant grade	
Light Diffuser	UV stabilized / Non yellowing Acrylic	
Reflector	Highly reflective anodized aluminum	
Colour (case)	White color	