



TATA BP SOLAR INDIA LIMITED

PRODUCT SPECIFICATION

Solar Powered Billboard

SYSTEM DETAILS:

TYPE reference	I-Sign	
Hoarding Size	4' x 8'	10' x 20'
Module	40Wp	165Wp
Battery	12V, 30Ah	2 nos, 12V-75Ah
Lamp	LED @ 100lm/W	LED @ 100lm/W
Retrofits	2 nos	10 nos
Duration	Dusk-to-Dawn	



◆ SOLAR CHARGE CONTROLLER

Maximum peak charging current : 12V / 24V, 10A

Protections:

Over Load / Short circuit
 Input under voltage / Over voltage
 Driver turned ON with out LEDs (Open circuit)
 Short circuit across LEDs termination
 Adequate thermal design for protection of LEDs and to maintain its colour

◆ Luminaire:

- High efficiency White LED luminaire , > 100 lumens/watt LED
- IP55 level of ingress protection
- > 50000 hours of LED life @ 50 C ambient condition

◆ Retro-fit:

- Retrofits are suitable for mounting on existing conventional billboard.
- LED luminaries to be mounted on the retrofits and wired as per instruction in the user manual.
- Module mounting structure and battery Box supplied to be fixed or welded onto billboard appropriately.



◆ System Backup:

- Dusk-to-Dawn operation
- Autonomy : 3 days

◆ Out-of-scope:

- The supply does not include poles or structures meant for billboard, the display screen and its related structures.