

AMOGH: Outdoor Lighting solutions

Amogh is a family of smart outdoor lighting solutions. It boasts of smart, patent pending, energy based dimming algorithm, which ensures battery's depth of discharge within safe limits to maximizing battery life and delivering light output for the intended duration. It implements MPPT charge controller to extract maximum power from solar panel as well as constant current LED driver. It implements features like dimming and multiple sensor interfaces etc., for remote and optimized usage. AC & DC variants are available.



| Technical Information AC | |
|--------------------------|--------------|
| Input Voltage AC | 85V to 260V |
| Input Voltage DC | 12V to 96V |
| Input Current | 300mA AC max |
| Output Current | 330 ~1000 mA |
| Avg. Efficiency | ~90% |

| Control Interfaces | |
|--------------------|---------------------|
| Analog Dim | 0 – 10V dc |
| Digital | Up and Down buttons |
| Sensor | Motion, Light etc., |

Advantages

- ✓ Energy based dimming (Patent Pending)
- ✓ Superior Battery Charging due to MPPT
- ✓ DC (Solar) or AC (Grid) option
- ✓ Timed, duration dimming
- ✓ Rust resistant powder coat pole & fixture
- ✓ Low Maintenance
- ✓ Life time service warranty*

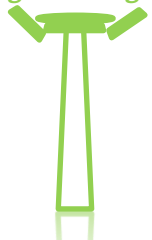
* Transportation and failed component cost to be borne by customer.

Protections

| | |
|---------|----------------------|
| Input | Under / Over voltage |
| Output | Short / Open Circuit |
| Battery | Under / Over Voltage |

Application Area

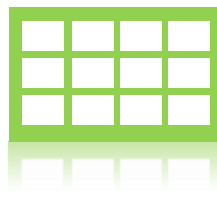
High Mast Lights



Factory



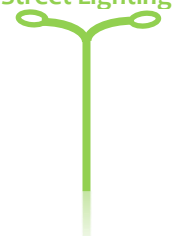
Office / Parking



Schools / Colleges



Street Lighting



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Amogh Outdoor light - Variant Table

| Supply | Lighting Dimming Control | | | | | Pole Height | Light Output in Lumens |
|--------|--------------------------|------|------|--------------|---------------|-------------|------------------------|
| | Ordering Code | Load | Time | Smart Energy | Motion Sensor | | |
| DC | GAM-Sxy-T08 | 8W | ✓ | ✓ | ✓ | 10 feet | 840 |
| | GAM-Sxy-T12 | 12W | ✓ | ✓ | ✓ | 10 feet | 1260 |
| | GAM-Sxy-T18 | 18W | ✓ | ✓ | ✓ | 10 feet | 1890 |
| | GAM-Sxy-T36 | 36W | ✓ | ✓ | ✓ | 10 feet | 3780 |
| AC | GAM-ACL-T12 | 12W | ✓ | ✓ | ✓ | 10 feet | 1260 |
| | GAM-ACL-T24 | 24W | ✓ | ✓ | ✓ | 10 feet | 2520 |
| | GAM-ACL-T36 | 36W | ✓ | ✓ | ✓ | 10 feet | 3780 |
| | GAM-ACL-T72 | 72W | ✓ | ✓ | ✓ | 30 feet | 7560 |

x:{ A=12, B=24, C=48, D=96 VDC}
y:{ W=Warm White, C = Cool Blue}

