**PURCHASE SPECIFICATIONS FOR OCT-401 CHARGING STATION**

MODEL: OCT-401

##### General Overview

OCT-401 Charging Station is designed to recharge SP-401portable lighting unit. OCT-401 shall be able to charge up to 10 x SP-401 lighting units simultaneously.

**1.0 Physical & Mechanical Parameters**

* Shall have not more than 10x cables and charging connectors,
* Shall have protection from short circuit / overload / over voltage / over temperature,
* Body of the OCT-401 shall have Ingress Protection rating of minimum IP-66,
* Shall be able to operate in the temperature of -20° C to 50° C or better,
* Shall have humidity resistance of 20 ~ 90% RH non-condensing,
* Shall have vibration resistance of 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes

**2.0 Electrical Parameters**

Shall have the following power output parameters:

* DC voltage of 24V
* Rate current of 10A
* Current range of 0 - 10A
* Rate power of 240W
* Connector details shall be made of high performance engineering plastics, copper alloy (gold plated)
* Charging time of up to 16 hours or up to 8 hours in fast mode.

Shall have the following power input parameters:

* Voltage range of 88 ~ 264VAC, or 124 ~ 370VDC
* Frequency range of 47 ~ 63Hz
* AC current of 3.6A/115VAC, or 1.8A/230VAC