



Advance Dynamic System Sdn. Bhd.

# UNINTERRUPTABLE POWER SUPPLY (UPS)



*Provide a smart solution and intelligent traffic system*



- ➔ The traffic lights controller and signals relying merely on 240V AC mains supplied by utility provider will be subject to lose their functions or operation control of vehicle flow and pedestrian intersection where there is a power failure.
- ➔ The devices should be operational 24 hours a day to provide traffic safety to road users and pedestrians.
- ➔ The main failure situation will definitely endanger lives when passing through the particular intersection, not to mention the valuable time and vehicle fuel being wasted during traffic disorder or congestion.
- ➔ It is therefore crucial to have a proven Power Backup system to provide continuous AC power for all traffic light system against potential detrimental factors and interruption.
- ➔ The backup runtime should also be long enough to cater for unforeseen prolonged utility power disruption.



# UNINTERRUPTABLE POWER SUPPLY (UPS)



## BENEFIT PRODUCT

- ➔ Backup 4-12 hours when TNB power failure. To avoid unfortunate events such as car accident, injury or even death of road user from happening.
- ➔ To evade the chances of traffic congestion, being late for work, school, airport and in the overall improve traffic flow.
- ➔ To save time, vehicle fuel, cut down exhaust emission and minimize air pollution.
- ➔ Built-in Reactor Power Line Conditioner (RPLC) can protect traffic lights against utility power fluctuation.
- ➔ Since the installation of UPS, power related problems have been cut down to minimum and less downtime of traffic lights were recorded.
- ➔ No alteration or modification on the traffic light controller required for TRIACS brand controllers to incorporate the power backup system into the traffic light system

## TECHNICAL SPECIFICATION

Power Rating	2000VA (900Watt)
Average Load	900 Watt
Back-up Time	4 hours based on 900 Watt average load with to blocks Battery
Battery Type	1000H SLA Maintenance Free Battery x (2-8 Blocks)
Type of Chassis	Open Frame For 100% Discharge of Battery
Recharge Time	24 Hours For 100% Discharge of Battery
Indicator	Charging LED, Battery Mode/Mains Failure LED, Battery Low LED
Volt-Free Contact Output	Mains Failure Contact, battery low c/o Contact

## ADVANCE DYNAMIC SYSTEM SDN. BHD. (1053269-A)

 No 2D, Lorong Cengal 1/1a, Taman Cengal Indah 3, 09000 Kulim, Kedah Darul Aman.

 [advancedynamicsystem@gmail.com](mailto:advancedynamicsystem@gmail.com)

 T (+60)(4) 4905029 / F(+60)(4) 4905029

 [www.ads2u.biz](http://www.ads2u.biz)

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