



**Product Catalogue 2019**



## *About Us*

**AEPL** provides one stop Smart Embedded automated solution for your trade and industry. Depending on the size and field of your organization, we have different products and services to meet your requirements. We provide the optimum and customized solutions made for your organization.

**AEPL** is focusing exclusively in high quality and cost-effective Smart Embedded system development and implementation of services. We are advancing on a tremendous pace and with involvement of skilled and experienced people working in the organization. AEPL is currently doing business in Government, MNCs and Large Corporate.

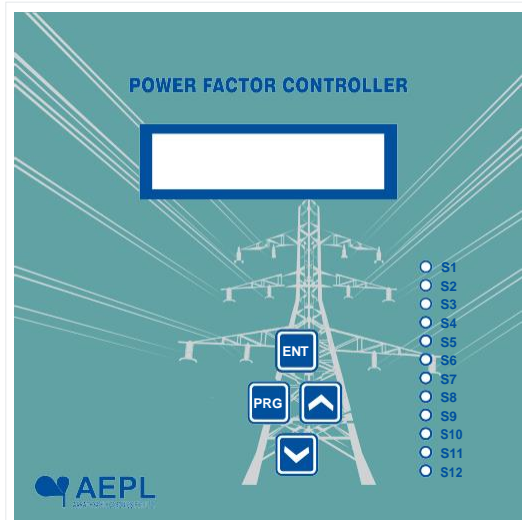
## *Mission*

Our Mission is to achieve the reputation of a quality, high standard & reliable solution & service Provider Company in the Electronics industry.

## *Vision*

Our Vision is to achieve 100% customer satisfaction by delivering quality products and services at an affordable cost. Our forward vision is to strive to become an entity in technology based corporate solutions, capable of demanding unconditional response from the targeted niche. We also believe that for our scope of improvisation – sky is the limit and we are always ready to take our achievements to the next level. We are growing and would always like to remain on the growing streak.

## *Thyristorised Automatic Power Factor Controller*



## Technical Specifications

Operating Input Voltage : 230VAC

Mains Frequency : 50 ~ 60Hz

Power Consumption : <7W

Installation Type : Panel Door Mounting

Ambient Temperature : -10 to 65 °C

Data Logging : RS232 and Modbus (optional)

Class Of Accuracy : Class 1.0

Output : Transistorised ( From 1 stage to 16 stage)

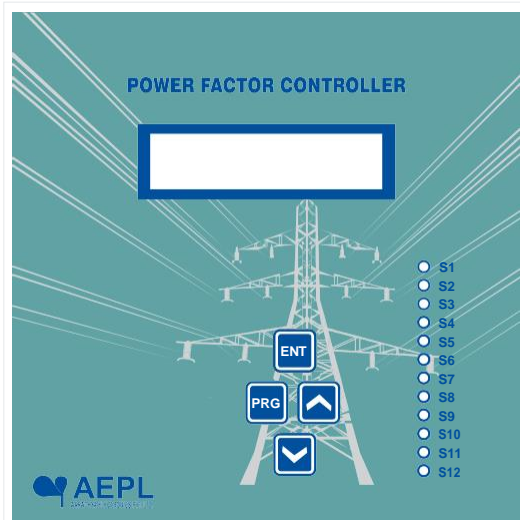
Protection : Overload, Underload, Neutral Fault

Warning : Batter Low , out of bank

Phase : 1 phase or 3 Phase

Product Dimension : 144mm x 144mm x100mm (W x H x D)

## *Contactorised Automatic Power Factor Controller*



## Technical Specifications

Operating Input Voltage : 230VAC

Mains Frequency : 50 ~ 60Hz

Power Consumption : <7W

Installation Type : Panel Door Mounting

Ambient Temperature : -10 to 65 °C

Data Logging : RS232 and Modbus (optional)

Class Of Accuracy : Class 1.0

Output : Relay of 5 Amps ( From 1 stage to 16 stage)

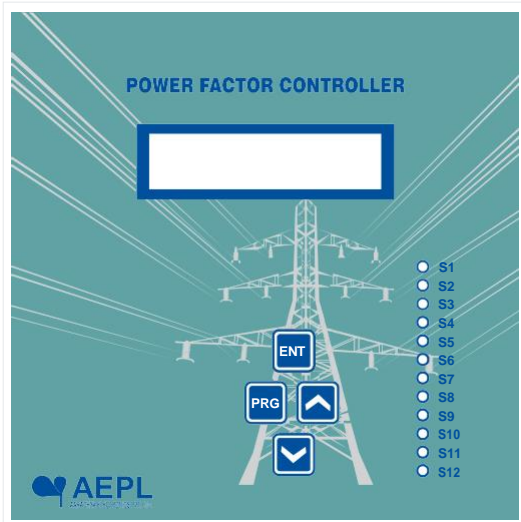
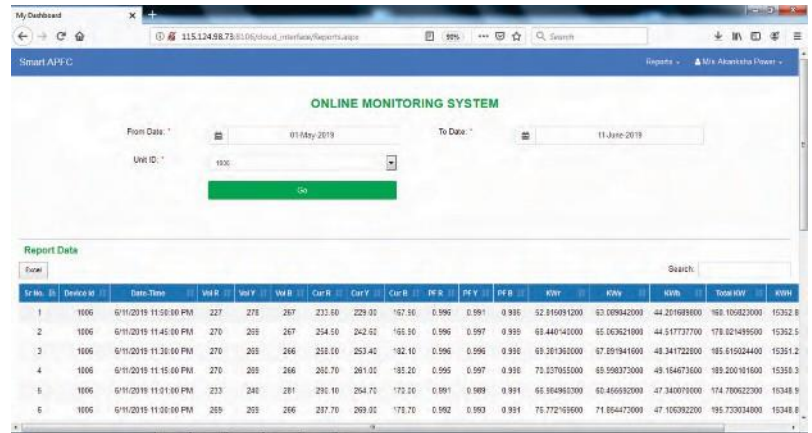
Protection : Overload, Underload, Neutral Fault

Warning : Batter Low , out of bank

Phase : 1 phase or 3 Phase

Product Dimension : 144mm x 144mm x100mm (W x H x D)

## Cloud Base Automatic Power Factor Controller

ONLINE MONITORING SYSTEM

From Date: 09 May 2019 To Date: 11 June 2019

UID ID: 100

Report Data

Sr No.	Device Id	Date-Time	Vol R	Vol Y	Vol B	Cur R	Cur Y	Cur B	PF R	PF Y	PF B	kWh	kWh	kWh	Total kWh	kWh
1	1000	6/11/2019 11:50:00 PM	227	278	267	232.00	229.01	187.50	0.999	0.991	0.935	52.815091200	63.009942000	44.201693600	160.0262000	15352.8
2	1000	6/11/2019 11:45:00 PM	270	269	267	254.00	242.62	165.50	0.996	0.997	0.935	69.440140000	65.003621000	44.517737700	178.921499500	15352.5
3	1000	6/11/2019 11:36:00 PM	270	269	266	258.00	253.42	182.40	0.996	0.996	0.935	69.381362000	67.591941600	48.341722600	185.315024400	15351.2
4	1000	6/11/2019 11:15:00 PM	270	269	266	265.70	261.02	195.20	0.995	0.997	0.935	70.027051000	68.598373000	49.164673600	189.200191600	15350.3
5	1000	6/11/2019 11:01:00 PM	233	242	281	290.10	264.72	172.20	0.991	0.989	0.931	65.864961300	60.466592000	47.340079000	174.709622300	15348.9
6	1000	6/11/2019 11:00:00 PM	259	269	266	287.70	269.02	178.70	0.982	0.993	0.931	76.772193600	71.854473000	47.100382200	195.730034800	15348.8

## Technical Specifications

Operating Input Voltage : 230VAC

Mains Frequency : 50 ~ 60Hz

Power Consumption : <7W

Installation Type : Panel Door Mounting

Ambient Temperature : -10 to 65 °C

Data Logging : In Excell format download through website

Class Of Accuracy : Class 1.0

Output : Relay of 5 Amps ( From 1 stage to 16 stage)

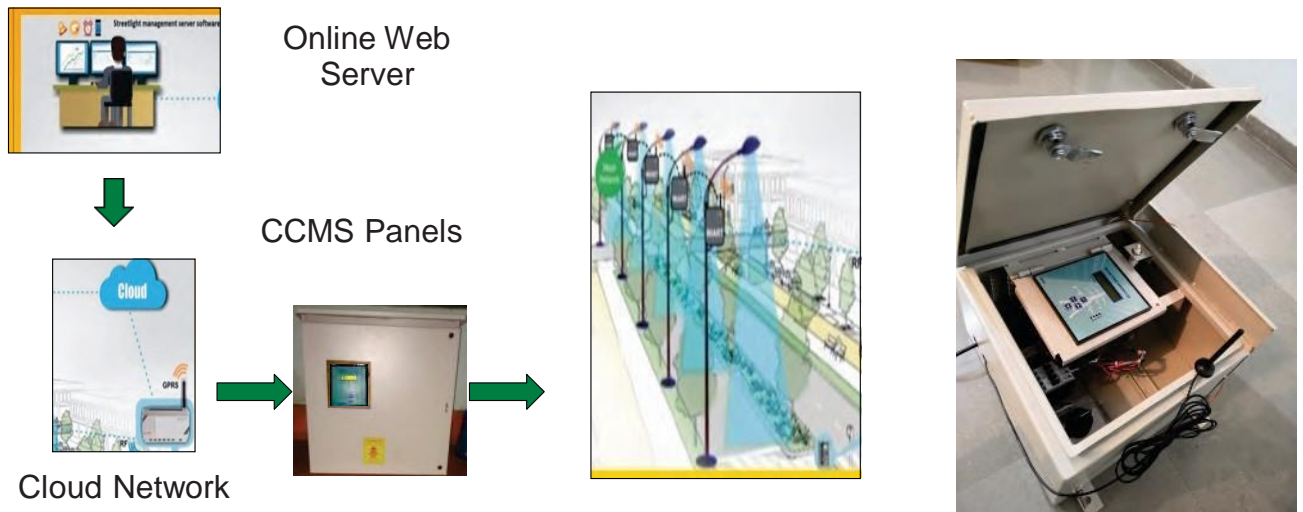
Protection : Overload, Underload, Neutral Fault

Warning : Batter Low , out of bank, SMS alert on Low PF

Phase : 1 phase or 3 Phase

Product Dimension : 144mm x 144mm x100mm (W x H x D)

## Central Controlling and Monitoring System Panel



## Technical Specifications

Operating Input Voltage : 230VAC

Mains Frequency : 50 ~ 60Hz

Power Consumption : <20W

Installation Type : Panel Door Mounting

Ambient Temperature : -10 to 65 °C

Data Logging : Online through website

Class Of Accuracy : Class 1.0

Output : Relay of 5 Amps ( 1 phase 1 relay and 3 phase 3 relay)

Protection : Overload, Underload

Alerts : MCB trip, Panel door open , group failure ,  
power failure on website and SMS

Phase : 1 phase or 3 Phase

Panel Capacity : 36 Amps

ON/OFF schedule through website(online) and keyboard (offline)

GPS Longitude and Latitude

On air Data Interval Time configuration



## *Android Base Low Cost Street Light Panel*



### **Technical Specifications**

Operating Input Voltage : 110 VAC to 230VAC

Mains Frequency : 50 ~ 60Hz

Power Consumption : <5W

Installation Type : Din Reel Mounting

Ambient Temperature : -10 to 65 °C

Output : Relay of 5 Amps ( 1 phase 1 relay and 3 phase 3 relay)

Protection : Over Voltage, Under Voltage

Phase : 1 phase or 3 Phase

Panel Capacity : 36 Amps

ON/OFF schedule through keyboard (offline)

Android App for setting the time and clock

RTC based timer

## *RTC Base Low Cost Street Light Panel*



## **Technical Specifications**

Operating Input Voltage : 110 VAC to 230VAC

Mains Frequency : 50 ~ 60Hz

Power Consumption : <5W

Installation Type : Din Reel Mounting

Ambient Temperature : -10 to 65 °C

Output : Relay of 5 Amps ( 1 phase 1 relay and 3 phase 3 relay)

Protection : Over Voltage, Under Voltage

Phase : 1 phase or 3 Phase

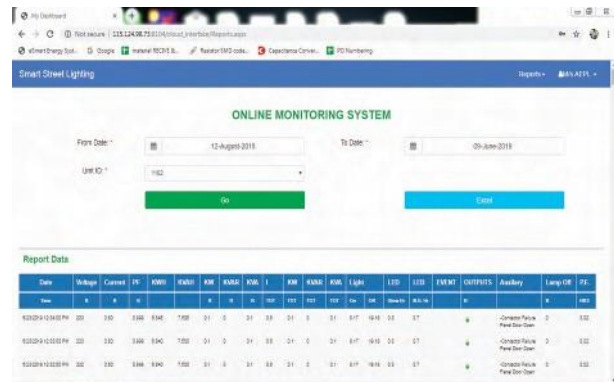
Panel Capacity : 36 Amps

ON/OFF schedule through keyboard (offline)

RTC based timer



## Cloud Base Street Light Controller

Date	Voltage	Current	KW	KVAh	KVA	KVAR	KVARh	KW	KVAh	KVAh	Light	LED	LUM	T/M	OFFICE	Assembly	Lamp CR	ST
13/08/18 12:30:00 PM	230	330	1300	1340	750	21	0	21	23	21	0	21	17	1910	0	0	0	0
13/08/18 12:00:00 PM	230	330	1300	1340	750	21	0	21	23	21	0	21	17	1910	0	0	0	0
13/08/18 12:00:00 PM	230	330	1300	1340	750	21	0	21	23	21	0	21	17	1910	0	0	0	0

## Technical Specifications

Operating Input Voltage : 230VAC

Mains Frequency : 50 ~ 60Hz

Power Consumption : <20W

Installation Type : Panel Door Mounting

Ambient Temperature : -10 to 65 °C

Data Logging : Excell format Online through website

Class Of Accuracy : Class 1.0

Output : Relay of 5 Amps ( 1 phase 1 relay and 3 phase 3 relay)

Protection : Overload, Underload

Alerts : MCB trip, Panel door open , group failure ,  
power failure on website and SMS

Phase : 1 phase or 3 Phase

ON/OFF schedule through website(online) and keyboard (offline)

GPS Longitude and Latitude

On air Data Interval Time configuration

Electrical parameter monitoring like V,A,KWh, Kar, KVAh etc.

Cumulative ON/OFF glowing hour monitoring

## *Android Base Street Light Controller*



## Technical Specifications

- Android App for setting the time and clock
- Input Supply 85VAC to 265VAC (SMPS)
- RTC based timer
- Easy to programm time setting
- On and off timer
- Battery back up for rtc
- Auto on off light as per programmed time
- Easy to install
- Attractive box made abs
- LCD display
- Soft touch switches for time setting
- 4 front panel keys for human interface
- 5A Relay on output

## *RTC Base Street Light Controller*



## Technical Specifications

Input Supply 85VAC to 265VAC (SMPS)

RTC based timer

Easy to program time setting

On and off timer

Battery back up for RTC

Auto on off light as per programmed time

Easy to install

Attractive box made abs

LCD display

Soft touch switches for time setting

4 front panel keys for human interface

5A Relay on output

Under voltage and Over Voltage Protection (Auto cutoff the output)

## *Current Sensing Relay (Fan Failure Alarm)*



## Technical Specifications

Input Supply : 230VAC +- 20%

Operating Frequency : 50 Hz

Maximum Current Sensing Capacity : 5 Amps

Set the current limit through keyboard

16 X 2 LCD Display

Over Current tripping through relay output

Under Current tripping through relay output

Output tripping is through potentially isolated Relay

Output relay Rating : 5A/230VAC

2KV isolation

Din Reel Mounting

ABS Cabinet

## *Buffer Card for APFC*



## Technical Specifications

Input Signal : 24VDC  $\pm$ 3V, 15mA

Output Voltage : Maximum 1V drop on input signal

Output Current : 100mA Max

Output Type : Transistor output

Number of inputs : 16

Number of outputs : 16

Temperature range : 0°C to 60°C

Mounting : Din Rail mounting

Product Dimension (LxWxH) : 130mm x 100mm x 62mm

## *Street Lights*



## **Technical Specifications**

Wattage : 15W to 200W

Power Factor : 0.9 Above

Surge Protection : 4kV - 10kV

Indian Standard : IP65

Cutt off Protection : Above 300V

Led Make : Osram/Lekstar/Philips/Ceol



## *Solar LED Street Lights*



## **Technical Specifications**

Wattage : 12W , 15W & 20W

LED light Source : 2050SMD or 5730SMD

Indian Standard : IP65

Charging Type : 8 - 12 Hours

LED Lamp material : Aluminum Alloy + Glass

Solar Panel Voltage : 12V 75W polycrystalline panel

(Variation available as per the need)

Led Make : Osram/Lekstar/Philips/Ceol

Battery Type : 11.8V LiFePO4 (15Ah, 30Ah as per the requirement)

## Wi-Fi Switch



## Technical Specifications

Input Supply : 110VAC to 260VAC +- 20%

Operating Frequency : 50 Hz to 60Hz

Chanel : 5 Switch

Control electrical devices over Wi-Fi

Mounting : Compatible with Modular Switch Board

Chanel Capacity : 2 Switch 10 Amps and 3 Switch 5 Amps

Android App Controlling

WiFi - Enable Switch

Applications :

- Home Switches (Lights, Fan, AC, etc )
- Industrial Switches
- Electrical Distribution Switch
- Building Automation



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