	NEELKANTH POWER SOLUTIONS	Data Sheet : Reference DS - 105 / 1 / 0411
	Powerlux (Lighting Energy Management System – save Energy upto 40 %)	Page 1 / 1



Winner of Award at ELECRAMA 2006 Exhibition

Powerlux is a comprehensive Light Energy Management and saving system which is compatible with lighting loads of all kinds. **Powerlux** reduces losses, wastage and over lighting conditions. Using the software, facility operator can locally or remotely access **Powerlux** and manage any of the elements listed below.

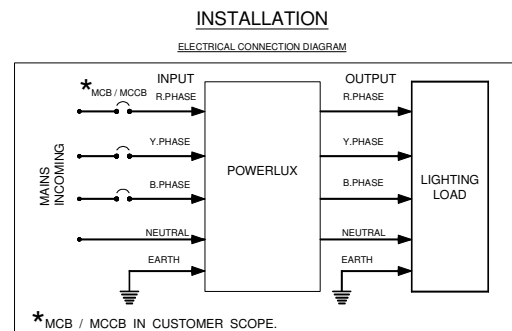
- Schedule or manually implement automatic energy reduction levels and on/off switching.
- Participate in peak shaving / Load shedding / utility energy requirements without disruptions of work.
- View power usage and Energy consumption.

General Technical Specification

Rating KVA	15 – 275 KVA
Input Voltage Range	360 – 460 V Line to Line
Out Put Voltage	230 / 220 / 210 V Line to Neutral
Out Put Voltage Accuracy	± 1 %
Frequency	47 – 53 Hz.
Type	Unbalance Supply and Load Conditions
Load Variation	0 – 100 %
System	3 Phase 4 wire
Efficiency	Better than 98 %
Cooling	Air Cooled
Ambient	0 – 45° C. max. / Relative Humidity up to 90 %
Environment	Designed for indoor tropical use
Real Time Monitoring	Energy Meter (Multi function Meter) 3Ph V, I, F, VA, KVA, KW, KWH, KVAR, Min, Max, Avg. Values

Features

- Embedded Microcontroller based Technology.
- Large 20 x 4 LCD Display with Backlight.
- Fully Programmable Daily / Monthly / Yearly calendar with Holiday Selection.
- Four different Output Level / Voltage setting.
- 1-30 Minute ignition Cycle whenever Powerlux is switched ON to ensure Correct ignition of lamp.
- Display all 3 Phase Power & Energy parameter with Min. Max. Avg. Values.
- PC based software – RS 232 for Programming.
- Programme – Manual override
- Password protection.
- Memory Back up.
- MCB / MCCB for over load and short circuit protection.
- Change Over Switch / Powerlux By Pas switch.
- Auto Start / Stop Facility – Optional



Applications: Lighting – Any industry, Commercial Complex, Hospitals, Yard lighting etc.

- # Nonstandard KVA, Input Voltage range and Out Voltages are also available on request.
- # NEELKANTH reserves the right to amend design and specification without notice as continuous efforts are made to Improve Products performance.
- # Dimensional Detail available on request.

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Our Products and Services

Servo Controlled Voltage Stabilizer *** Linear Stabilisers *** Power Conditioners *** Ultra Isolation Transformer ***
'K' Rated Transformer *** Furnace Transformers *** Powerlux / Optilux Lighting Energy Savers ***
Real Time Power Factor Correction Systems *** Ground Fault Monitoring Systems *** Power Quality Audits and Analysis