

MeS⁺

Maintenance Electrical System

Smart Solution for Electrical Problems

**ALAT PELINDUNG PERALATAN ELEKTRONIK
DARI GANGGUAN KELISTRIKAN**



GANGUAN KELISTRIKAN

Gangguan kelistrikan (Electrical Problems) yang masih dirasa sampai saat ini adalah :

- Rambatan Tegangan Tinggi dikarenakan terjadinya sambaran petir
- Tidak stabilnya tegangan dikarenakan sumber tegangan yang kurang baik
- Terjadinya tegangan kejut (Surge) dikarenakan perpindahan sumber tegangan (contoh dari PLN ke Genset)
- Adanya Grounding yang buruk

Permasalahan diatas memberikan imbas yang buruk terhadap peralatan elektronik digital ataupun instrumen elektrik yan biasa digunakan seperti :

- Alat rusak karena mendapat tegangan yang tinggi melewati batas toleransi
- Alat menjadi "hang" karena tegangan turun dari batas toleransi
- Alat rusak karena terjadi lonjakan tegangan yang berulang ulang
- Alat rusak karena tegangan yang tidak stabil atau sering mati-menyala
- Alat rusak dikarenakan adanya kebocoran arus sedangkan kondisi grounding sangat buruk



MeS+ (Maintenance Electrical System) adalah sebuah alat yang memiliki multifungsi yang berguna menanggulangi permasalahan atau gangguan kelistrikan. Secara umum MeS memiliki kemampuan auto protection, auto stabilizing dan grounding improvement yang baik dan mempunyai kapasitas daya yang bisa disesuaikan dengan beban dari pengguna alat.

MeS+ dengan kapasitas 500 Va sampai 5000 Va juga memiliki Backup Battery, dan kemampuan untuk men-Charge Battery external.

Fungsi / Manfaat MeS+ :

- Over Voltage Protection
- Low Voltage Protection
- Electric Surge Protection
- Overload Protection
- Short Circuit Protection
- Stabilizing Voltage
- Noise Filtering
- Grounding Improvement
- Backup Battery (Available only on 0.5KVA – 5KVA)
- External Battery Charger



MeS+
Maintenance Electrical System

Aplikasi MeS+ :

- Komputer atau sejenisnya
- Data Center seperti Server, Hub, Storage dll
- Peralatan Bank seperti ATM, Server Bank dll
- Telekomunikasi seperti BTS Tower, Vsat, Router dll
- Peralatan Rumah Sakit seperti CT Scan, alat Rontgen, USG dll
- Peralatan Industri seperti Painting equipment, welding equipment dll
- Audion Visual seperti Broadcast system, Radio, TV dll

KAPASITAS

TYPE	CAPACITY (VA)	PHASE	BATTERY	INPUT (V)	OUTPUT (V)
RE-0.5K	500	1	YES	110 / 220	110 / 220
RE-1K	1000	1	YES	110 / 220	110 / 220
RE-1.5K	1500	1	YES	110 / 220	110 / 220
RE-2K	2000	1	YES	110 / 220	110 / 220
RE-3K	3000	1	YES	110 / 220	110 / 220
RE-4K	4000	1	YES	110 / 220	110 / 220
RE-5K	5000	1	YES	110 / 220	110 / 220
RE-7K	7000	1	NO	110 / 220	110 / 220
RE-8K	8000	1	NO	110 / 220	110 / 220
RE-10K	10000	3	NO	As Requested	As Requested
RE-12K	12000	3	NO	As Requested	As Requested
RE-15K	15000	3	NO	As Requested	As Requested
RE-21K	21000	3	NO	As Requested	As Requested
RE-24K	24000	3	NO	As Requested	As Requested
RE-30K	30000	3	NO	As Requested	As Requested
RE-36K	36000	3	NO	As Requested	As Requested
RE-45K	45000	3	NO	As Requested	As Requested
RE-60K	60000	3	NO	As Requested	As Requested
RE-80K	80000	3	NO	As Requested	As Requested
RE-120K	120000	3	NO	As Requested	As Requested
RE-240K	240000	3	NO	As Requested	As Requested
RE-300K	300000	3	NO	As Requested	As Requested



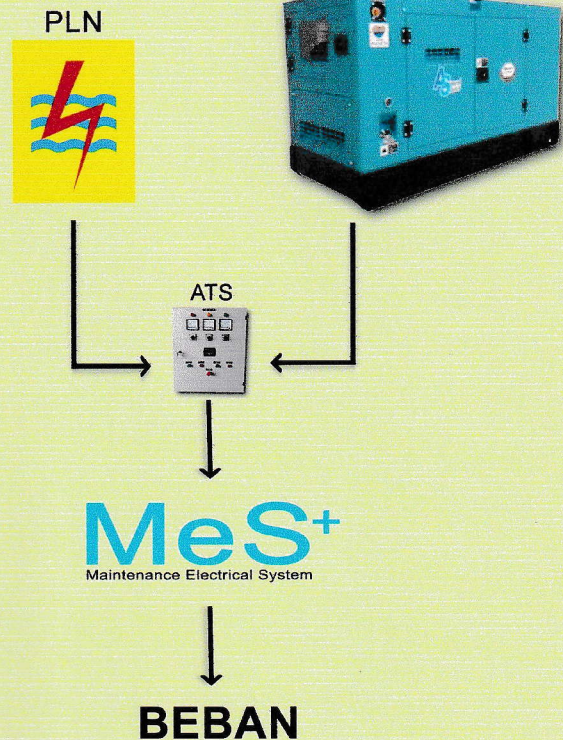
Client & Partner

Berikut ini merupakan beberapa Klien dan Mitra yang sudah bekerjasama dengan kami.



- * PT. Elion Jaya Perdana
- * PT. Mitra Bisni Integrasi
- * PT. Interlink Technology
- * PT. Dwika Elion Perkasa

INSTALASI



Sertifikasi

MeS+ sudah memiliki sertifikasi hasil uji mutu yang dilakukan di laboratorium Sucofindo.

Adapun pengujian yang dilakukan meliputi :

- Extreme Voltage Protection Test (Low and High Voltage)
- Grounding Improvement Test
- Voltage Stabilizer Test
- Temperature Rise Test
- Electrostatic Discharge Test
- Humidity Test
- Leakage Current Test
- Short Burden Protection Test
- Surge Immunity Test



Certificate No. 15206/DBBPAN
Date: April 28, 2020



Issuing Office:
Jl. Arteri Tol Cibitung No. 1, Cibitung Bekasi 17520, Indonesia
Phone/Facs: +62 21 88321176/88321166
Email: cs.cbt@sucofindo.co.id

REPORT OF TESTING

The sample was submitted by client with the following identification:

CLIENT : ELION JAYA PERDANA, PT.
ADDRESS : JL. BOULEVARD RAYA TIMUR GRAND GALAXY CITY RUKO
SENTRAL KOMERSIAL RSK 6 NO. 65 RT. 004 RW. 001
JAKA SETIA, BEKASI SELATAN, KOTA BEKASI JAWA BARAT

NAME OF SAMPLE : Uninterruptible Stabilizing Protection System
CODE : RE - 1K
TEST REQUIRED : Surge Immunity
TEST METHOD : Direct Measurement
RECEIVING DATE : February 24, 2020
TESTING DATE : March 16 - 19, 2020
RESULT : See attached sheet

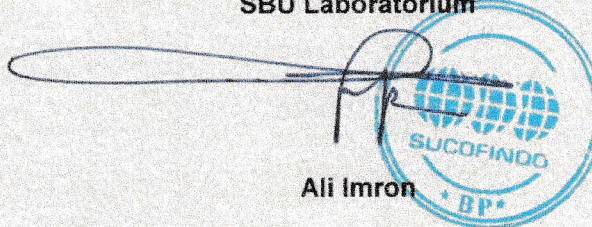
The Attachment available is an integral part of this certificate.

This test result (s) related to the sample (s) submitted only and the report / certificate cannot be reproduced in any way, except in full context and with the prior approval in writing from Sucofindo Laboratory.

This Certificate/report is issued under our General Terms and Conditions, copy of which is available upon request or may be accessed at www.sucofindo.co.id

CBT200086520-000

SBU Laboratorium


Ali Imron
SUCOFINDO
BP



3432781

REPORT OF TESTING

Surge Immunity Test

Testing Condition

- Temperature : 23,1 °C
- Humidity : 55 %

Power Supply : 220 V/ 50 Hz

Operation Mode : Power on, Normal operation

Table Of Testing

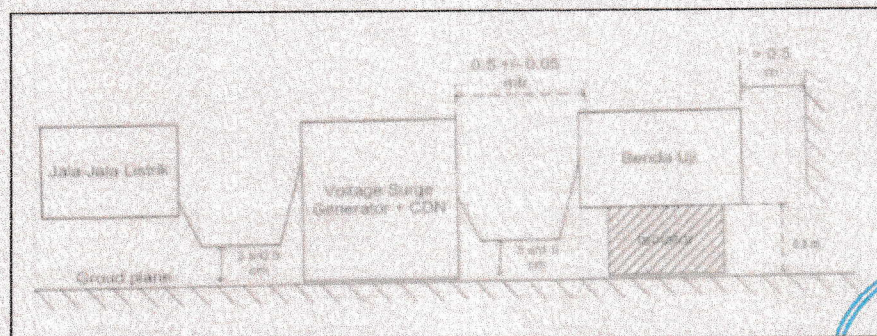
Cable	Level Of Testing	No of Surge	Result	Minimum Requirements
MAINS LINE				
Live - Earth	± 0,5 kV	5	A	B
	± 1 kV		A	B
	± 1,25 kV		A	B
	± 1,5 kV		A	B
Live - Neutral	± 0,5 kV	5	A	B
	± 1 kV		A	B
	± 1,25 kV		A	B
	± 1,5 kV		A	B

Criteria For Testing

Criteria Of Performance		
Criteria	During Testing	After Testing
A	Performance within specification limits	Performance within specification limits
B	Temporary degradation which is self-recoverable	Performance back to normal specification limits without requires operator intervention
C	Temporary degradation which requires operator intervention	Performance back to normal specification limits which requires operator intervention
D	Loss of function which is not recoverable	Performance and function unable to return to normal (permanent damage)

* Note : Testing was subcontracted to Balai Besar Bahan Dan Barang Teknik (B4T)

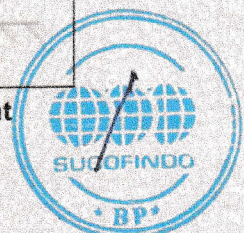
The Series of Testing



Series Testing Surges Immunity To Table Top Equipment



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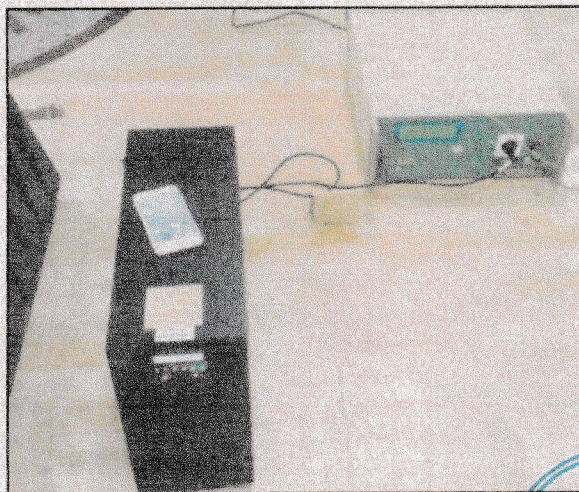


ATTACHMENT OF CERTIFICATE

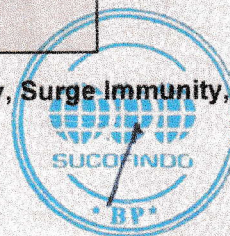
TESTING DATE	NAME OF SAMPLE	TEST REQUIRED
March 16 - 19, 2020	Uninterruptible Stabilizing Protection System RE-1K	Surge Immunity Test



Testing USPS, Merk : Elion, Model/Type : RE-1K



Setting Testing of Electrical Fast Transient (EFT) / Burst Immunity, Surge Immunity, Voltage Dips, and Interruptions Immunity



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