Building Automation ,Networking & Communication

We are Interested to visit and meet Electrical, MEP Consultants Building Infra Developers, Solar Power Developers and Solar Project Handling EPC Companies.

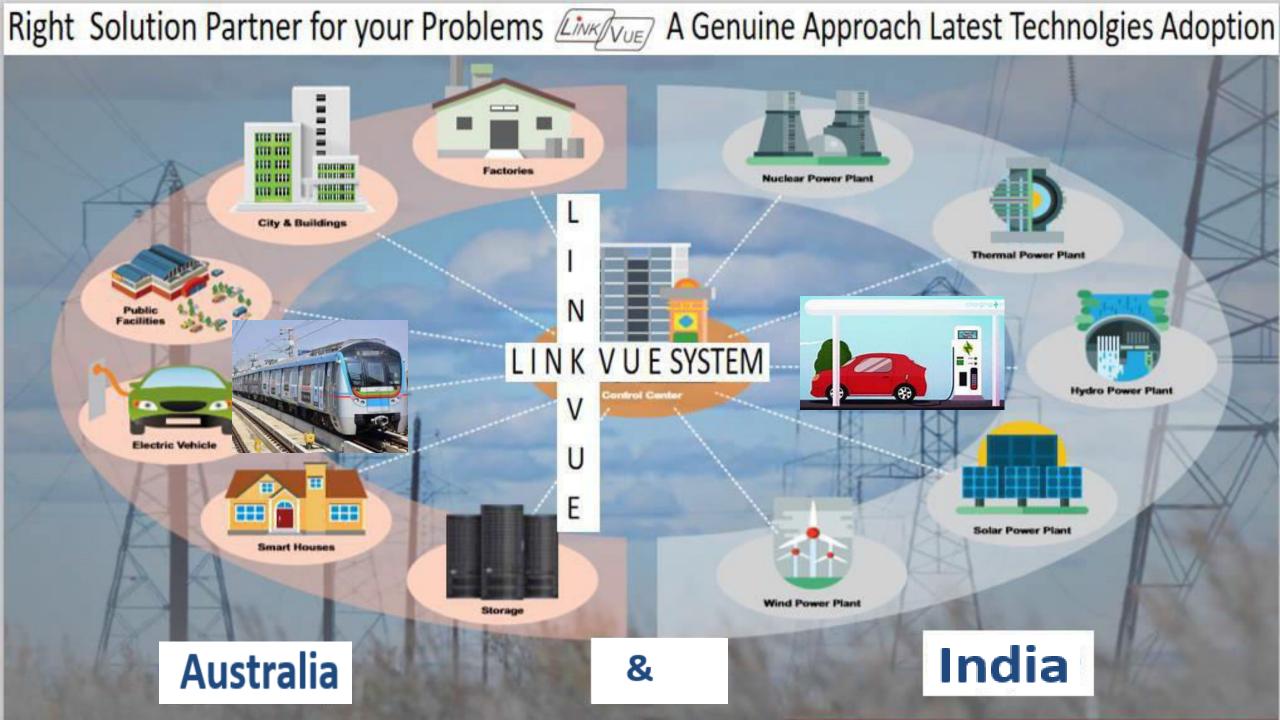
Link Vue System is Known Professional Team of Technical believes on Offering Genuine and Right Products.(<u>www.linkvuesystem.com</u>) We Offer Design Engineering Supply and Installation Supports by Professionals

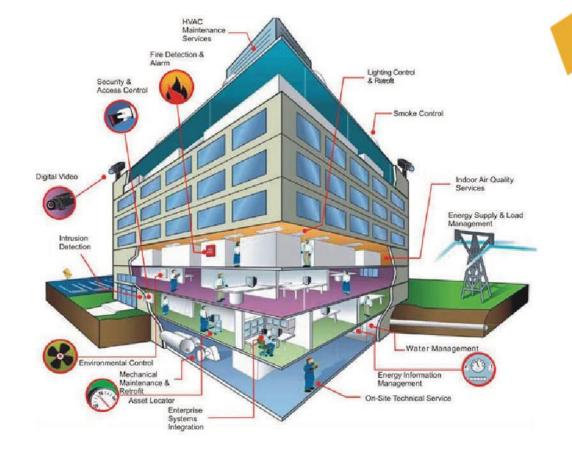


Scope Of Products

Earthing for DC Arrays **Surge Protection Devices** MC 4 Connectors with and Without Fuses Networking LAN Fiber, Wireless and GSM Solutions, Liu's Patch Cord Smart Data Loggers, Protocol Converters, Protocol to FO Converters Lithium Battery Package for High Energy Storage System Weather Monitoring Stations DRONE Survey for Project and Maintenance of Panel Health CCTV, Fire Alarm, Access Controls, Security Systems, PIDS Fencing, Smart Parking Management Solution. AMC for Above **Special Project for Electric Vehicles** Connectors CCS, GBT and CHAdeMO, Cables for Electric Vehicles Cable Harness for Electric Vehicle's and Charging UNIT. Electric Vehicle Charger 3KW -250KW AC Charging , DC Charging CAE Power Connectors 16Amps -400 Amps Free Dom Connectors for Low Voltage Cables Plz Confirm your Availability and Place for meeting in Advance Mail: manav.chandra@linkvuesystem.com, manish@linkvuesystem.com Sydney Australia







Link Vue System Pvt Ltd

LINK VUE

Electrical Safety

Earthing, Lightning & Surge Protection

Net Working Product Supply & InstallationEthernet SW, Fiber Optics & Wire LessAutomation ProductsData Logger, RTU's Digital & Analog 1/0'sProtocol Converter, Media Converter,
Cables Connectors & LIU'sPerimeter Intrusion Detection System CCTV,
Fire Alarm, Access Controls & Security System
Cable & Connectors, Plug & Sockets for
Electrical Vehicles, Solar PV, Building Wiring

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A U S T R A L I A

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Our Mission

To provide finest security services and customized innovative solutions through our extensive complement of high quality products and services, we will enable our clients to run their operations with minimal effort and concern for their safety and security.

\bigcirc

Our Vision

To be the best in class by creating long-term strategic relationship with our clients and leveraging our technological acumen and industry expertise to provide innovative, quality and cost effective solutions. To attract, engage, develop and retain the best talent and to create an environment in which our employees grow personally and professionally"

Our Goal

To become a leader in the technological edge to improve organizational security, profitability & Reliability through intelligent office automations, quality control automations, biometrics and security solutions!

- Dedication: We are continuously committed towards serving our customers. All our employees
- have full allegiance towards our motto 'customer comes first'
- Performance: We believe in continuously raising the bar of performance, allowing us to meet and exceed client expectations every time.
- Integrity: We walk the talk, delivering what we promise. We stand by our commitments providing our customers utmost satisfaction.
- Teamwork: We believe in working together, staying together. We encourage open and effective communication and interaction. Our organizational culture patronizes unfettered and integrated teamwork among different departments allowing seamless, fruitful operations.
- Transparency: We work with lucid thoughts and actions, ensuring equality among our
- employees, customers and suppliers.
- Accountability: We take responsibilities for our decisions and actions. We allow our empowered employees to honour their commitments and do what is necessary to gratify our clients and meet the organizational goals and objectives

Power Supply is very Important for all Infrastructure

SMART GRID

Nuclear Power Plant

Wind Energy

Electrical Safety ,Metering Infrastructure, Smart Grid Distribution Management, Smart Grid Network Management, Grid Asset Management, Substation Automation, Smart Grid Security, High Energy Battery Power Storage Energy Efficiency, Electric Vehicle Charging Infrastructure, Building Automation, Security Systems, Access Controls, CCTV & Smart Parking Management Systems, Networking Solutions



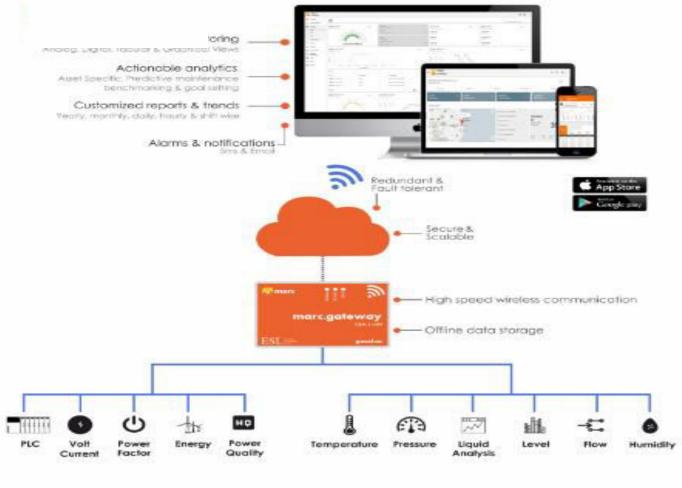
With Link-Vue Freedom to Monitor ,Access and Control Remotely

Take your equipments online

The next generation

marc is our next generation GSM/LAN based lioT platform with built in apps for assets and equipment for managing efficiency, uptime, productivity, condition monitoring, control, preventive & predictive maintenance.





Supported Protocols - Modbus TCP/IP, Modbus RTU, MQTT, Https

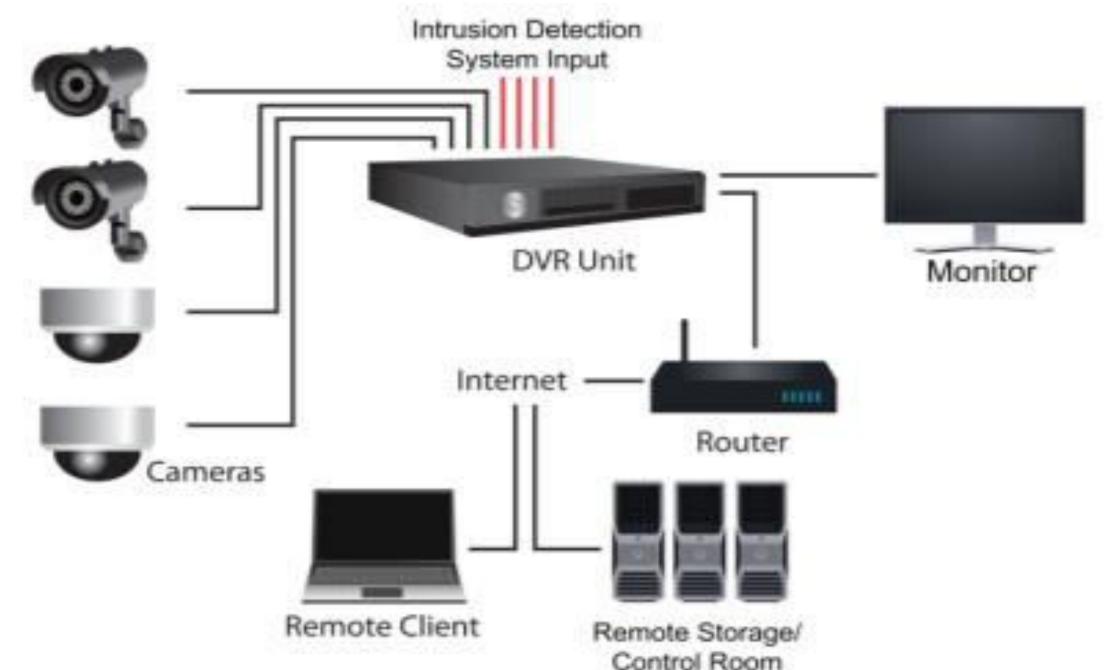
Applications		Why lloT?
Energy & UIEIy Energy Management Transformer Monitoring Industrial Motor HVAC Monitoring Solar Energy Audit Energy Audit Water Audit	Hant & Process - Equipment or Asset Monitoring - Process Monitoring - Machine Monitoring - OEE Other - Agriculture, Vehicle - Weather - Smart City - Custom Application evelopment	- Efficiency - Uptime - Productivity - Availability - Service - Condition - Alert - Prevention - Prediction



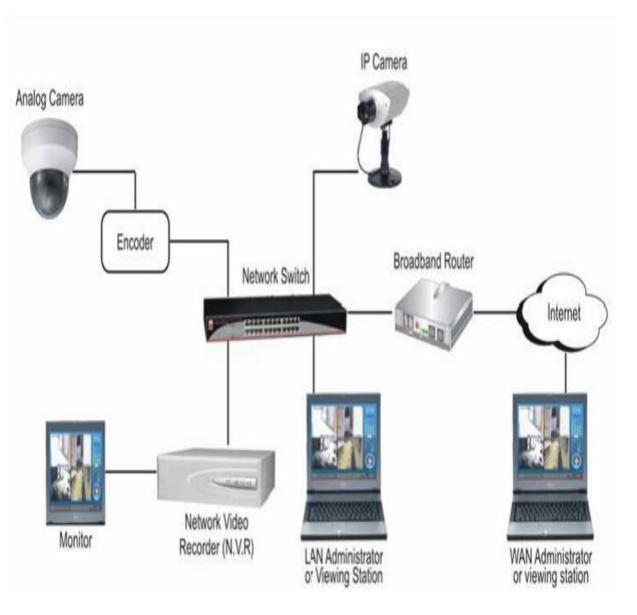
One Stop Solution for

FIRE SAFETY, SECURITY & IBMS

DAY NIGHT 24X7Monitor Solar PV Plant Through CCTV Network



CCTV Installation for Indoor &outdoor

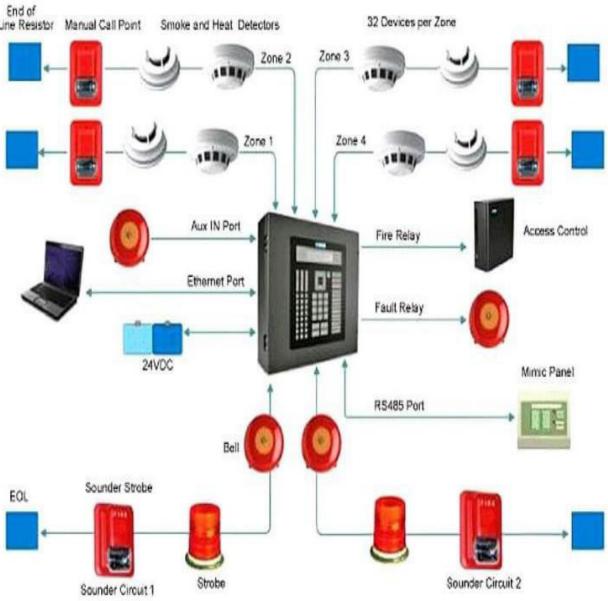


IP Based Surveillance Camera Systems

Surveillance is the monitoring of behaviour, many activities, or information for the purpose of information gathering, influencing, managing or directing. This can include observation from a distance by means of electronic equipment, such as closed-circuit television (CCTV), or interception of electronically transmitted information like Internet traffic. It can also include simple technical methods, such as human intelligence gathering and postal interception.

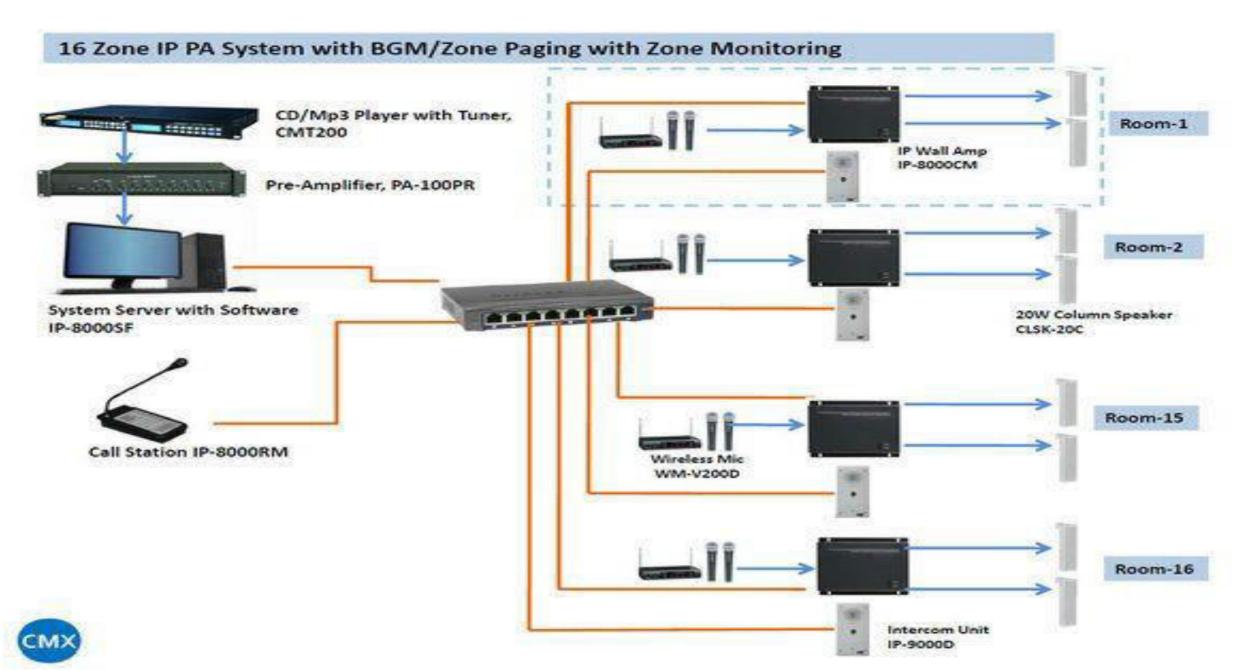
Surveillance is used by citizens for protecting their neighbourhoods. And by governments for intelligence gathering – including espionage, prevention of crime, the protection of a process, person, group or object, or the investigation of crime. It is also used by criminal organizations to plan and commit crimes, and by businesses to gather intelligence on criminals, their competitors, suppliers or customers.

Addressable Fire Alarm System



Provides Conventional and Addressable Fire Alarm and Detection system to warns and help people when smoke, fire, carbon monoxide or other firerelated <u>emergencies</u> are detected. These alarms may be activated automatically from smoke detectors, and heat detectors or may also be activated via manual fire <u>alarm activation</u> devices such as manual call points or pull stations. Alarms can be either motorized bells or wall mountable sounders or horns. They can also be speaker strobes which sound an alarm, followed by a voice evacuation message which warns people inside the building not to use the <u>elevators</u>. Fire alarm sounders can be set to certain frequencies and different tones including low, medium and high, depending on the country and manufacturer of the device. Most fire alarm systems in Europe sound like a siren with alternating frequencies. Fire alarm electronic devices are known as horns in the United States and Canada, and can be either continuous or set to different codes.

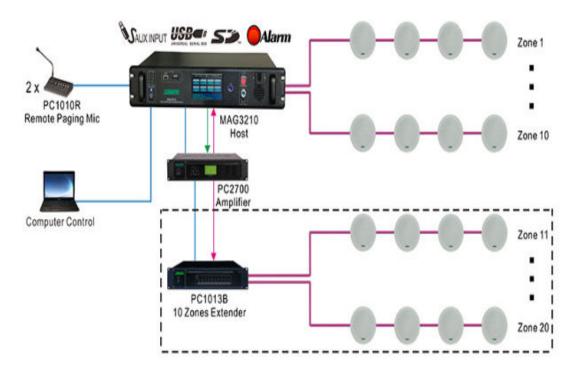
Public Address Systems for Intelligent Buildings Management



Public Address Systems

PA is electronic comprising system system an microphones, amplifiers, loudspeakers, and related equipment. It increases the apparent volume (loudness) of a human voice, musical instrument, or other acoustic sound source or recorded sound or music. PA systems are used in any public venue that requires that an announcer, performer, etc. be sufficiently audible at a distance or over a large area. Typical applications include sports stadiums, public transportation vehicles and facilities, and live or recorded music venues and events. A PA system may include multiple microphones or other sound sources, a mixing console to combine and modify multiple sources, and multiple amplifiers and loudspeakers for louder volume or wider distribution.

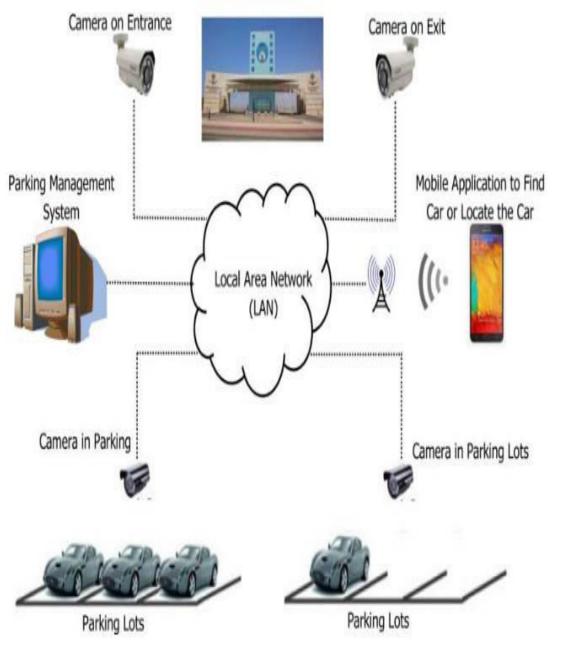
Simple PA systems are often used in small venues such as school auditoriums, churches, and small bars. PA systems with many speakers are widely used to make announcements in public, institutional and commercial buildings and locations—such as schools, stadiums, and passenger vessels and aircraft.



Parking Management Systems

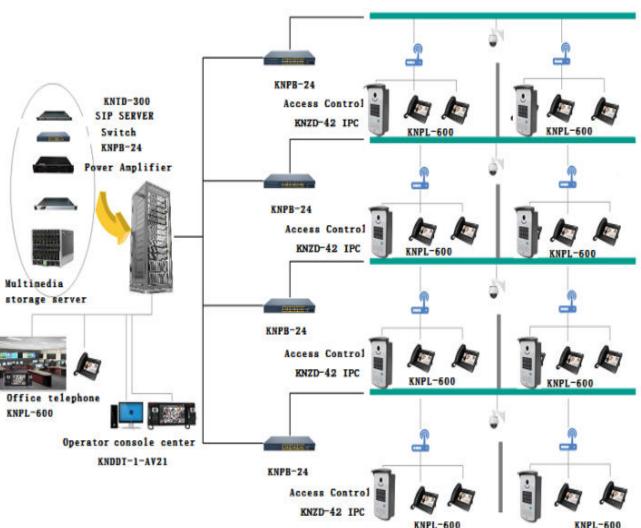
Parking Management System

Brothers Secure Provides a parking management system **automates a car parking system**. It optimizes parking space and make processes efficient. It gives real-time car parking information such as vehicle & slot counts, available slots display, reserved parking, pay-and-park options, easy payments, reports, and a host of other features.

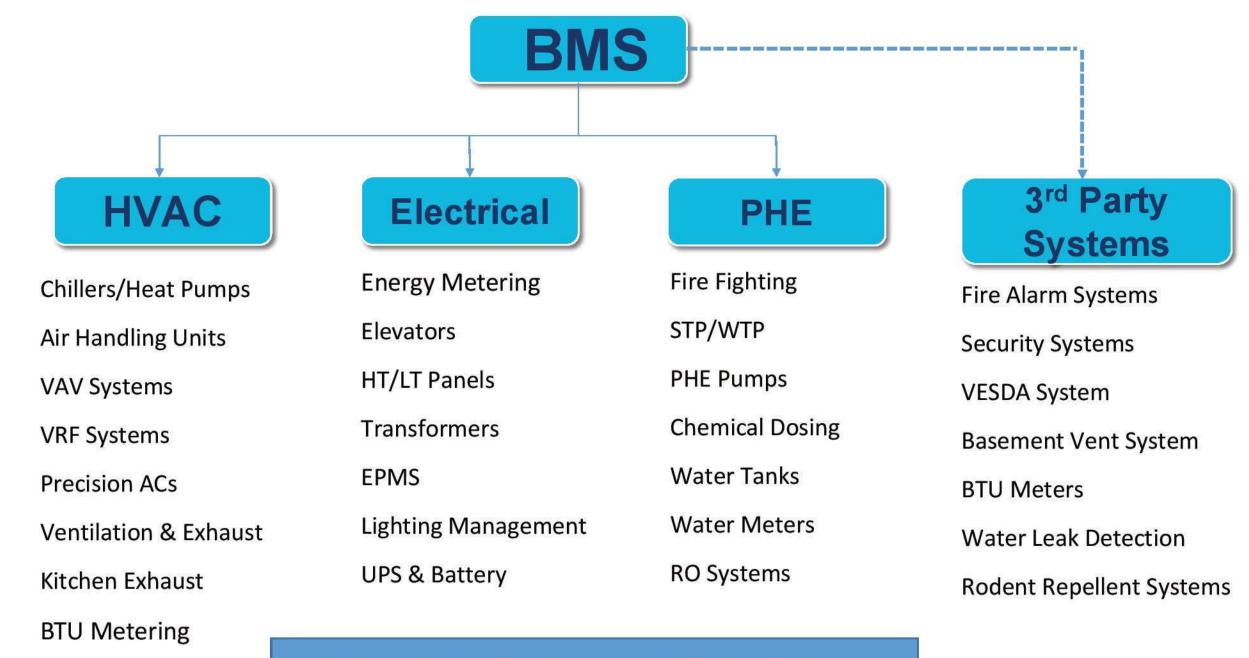


Access Control Systems

Ip access control systems



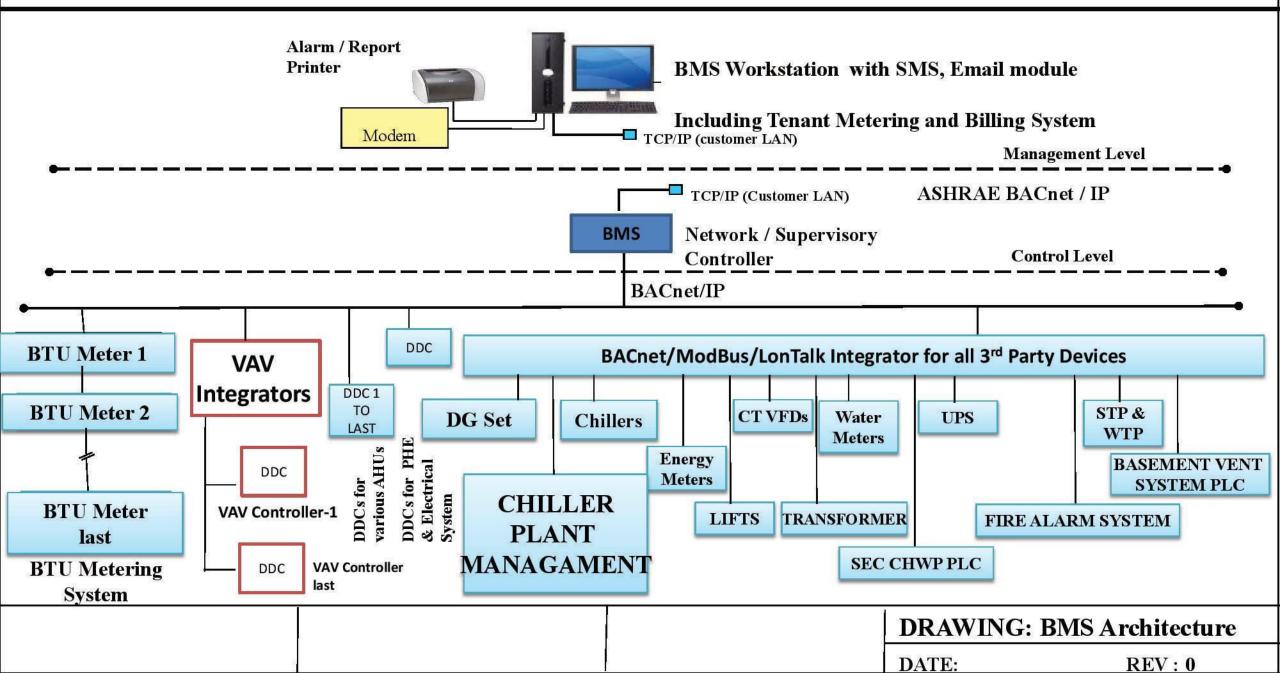
Access control systems which is electronic systems that facilitate automated approval for authorized personnel to enter through a <u>security portal</u> without the need for a security officer to review and validate the authorization of the person entering the portal, typically by using a credential to present to the system to verify their authorization. A security portal is a door or passageway that creates an entry point in a security boundary. Access control systems are based on the premise that issuing keys to all employees who need them is generally not cost-effective. Another premise of an access control system is that it would be cost prohibitive to rekey the facility should a key be lost. Finally, an access control system can limit employee access; allowing them entry only to areas in which they are authorized, or granting entry during certain times of day. An access control system uses a means of verification, known as a credential, to allow a person to enter an area. The credential can be something that is known, generally a <u>personal identification</u> <u>number</u>; something that is carried, such as a card or token; or something that the authorized person has, such as a fingerprint or iris (the coloured part of the eye). The credential is entered, swiped, presented, or scanned, and, after some level of verification, access is granted or denied.



Tenant Billing

Through Hardwiring and Soft Integration

ARCHITECTURE FOR BUILDING MANAGEMENT SYSTEM



- Centralized WorkStation Computer
 - With powerful user-friendly software.
 - Used for everyday building operation.

- DDC Controllers

- Micro-processor based
- Pre-configured / Freely programmable
- Controls the HVAC equipment of the building and other electromechanical equipment

- Field devices

- Temperature, Humidity, Pressure sensors
- Valves, Actuators



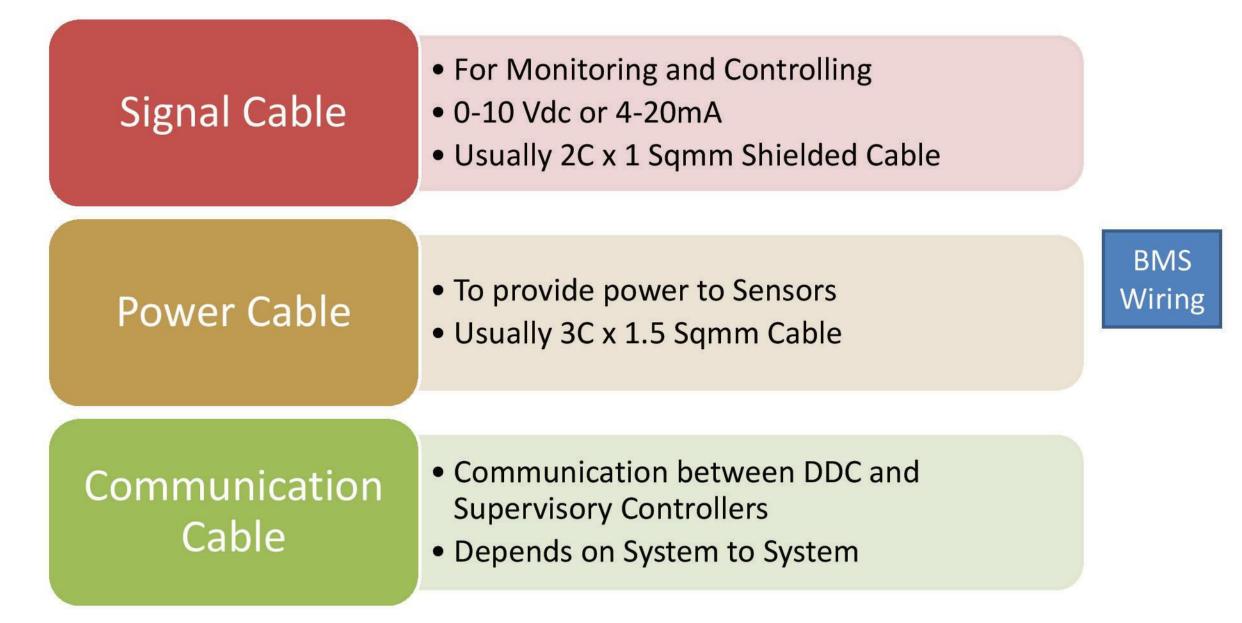




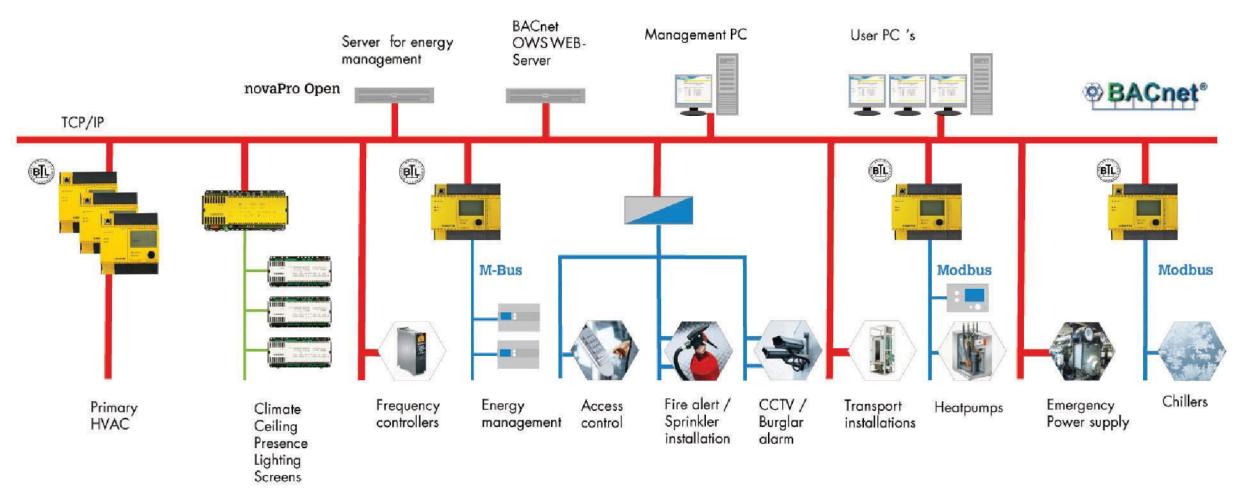
Building the DDC Controllers with Input / Output Points

AI (analog input)	 Inputs to the DDC; For Monitoring purpose Inputs from Temperature/Pressure Sensor/ Analog Devices Signal:- 0-10 V or 4-20mA
DI (digital input)	 Inputs to the DDC; For Monitoring Purpose
DI (digital input)	 Inputs from Switches/ Digital devices/ Starter Panels
AO (analog output)	 For Control purpose Outputs to Actuating devices like Valves, VFDs etc.,
	• Signal:- 0-10 Vdc or 4-20mA
DO (digital input)	 For Control Purpose Outputs to MCC Panels/ Isolation Valves, Fans, pumps etc
	to start/stop or open/close

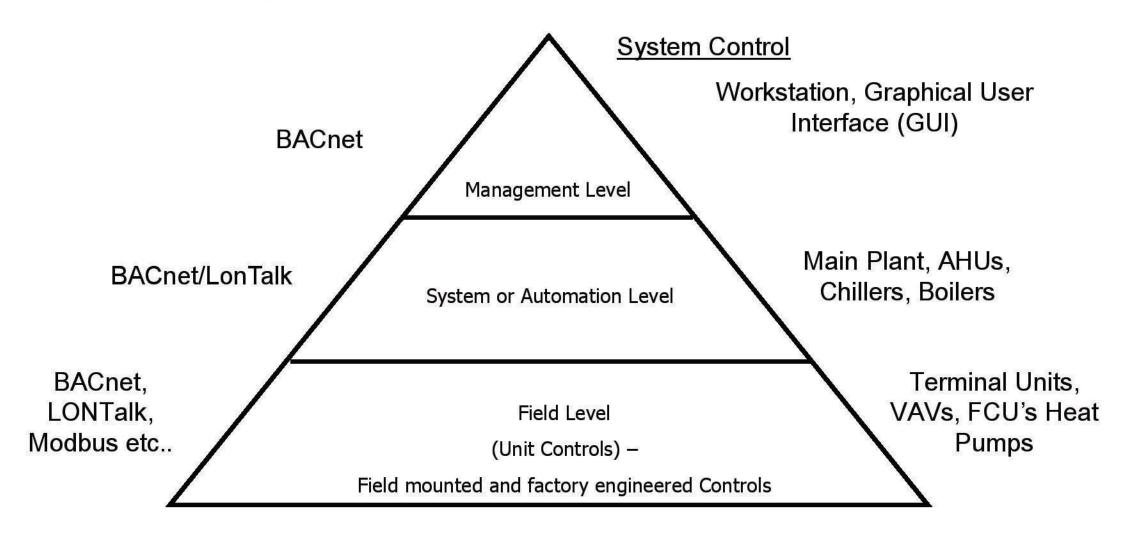
Cabling and Communication



BMS Integration - Typical



System Architecture for a generic BMS



ModBus

Industrial "defacto" standard

Developed originally by Modicon

Allows data exchange

Many variations exist – Modbus RTU

(remote terminal unit) is most common

Implemented in a variety of HVAC and industrial equipment

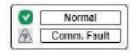
- VFDs
- fume hood controllers
- power monitoring equipment
- lighting control panels
- DG Sets
- UPS
- Precision Air Conditioners

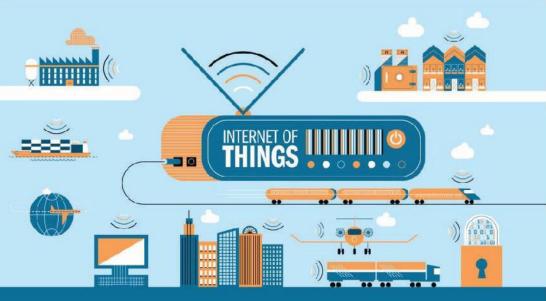


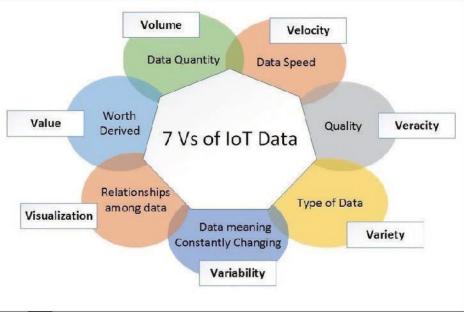
Rodent System Integration



A		RODENT REPELL	ENT SYSTEM (RRS)			2019-12	205 20:35:09
	PARAMETER)		RRS-02	RRS-03	RRS-04	RRS-05	
	Wave Speed Wave Deresity Current Band		0.0	0.0	0.0	0.0	
Og Og 💥	Total Transducers Faulty Transducers	(Aly) 0.0 (Aly) 0.0	0.0	0.0	0.0	0.0	





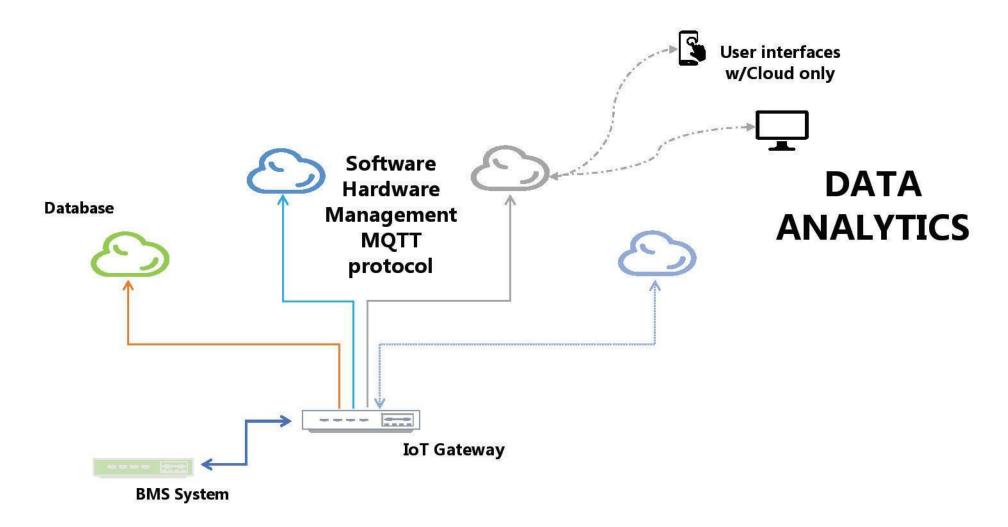


The Internet of Things From connecting devices to human value Data sensing 02 and collecting Device connection Data analytics IoT devices Big data analysis Data Device IoT connectivity transport AI and cognitive connection and access Embedded intelligence and Analyis at the edge connectivity G 01 Data sensing Data value Internet of Things Analysis to action Capture data APIs and processes Sensors and tags FROM CONNECTION Actionable intelligence Storage TO BENEFIT Human value, apps Data analytics and experiences Communication Human value 06 Data value Focus on access Smart applications 06 defined by Networks, cloud, edge Stakeholder benefits action Data transport Tangible benefits 05

The Internet of Things, or IoT, is a system of interrelated computing devices, mechanical digital and machines, objects, animals or people provided with that are unique identifiers (UIDs) and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction.

Internet of Things - IoT

System Architecture for IoT

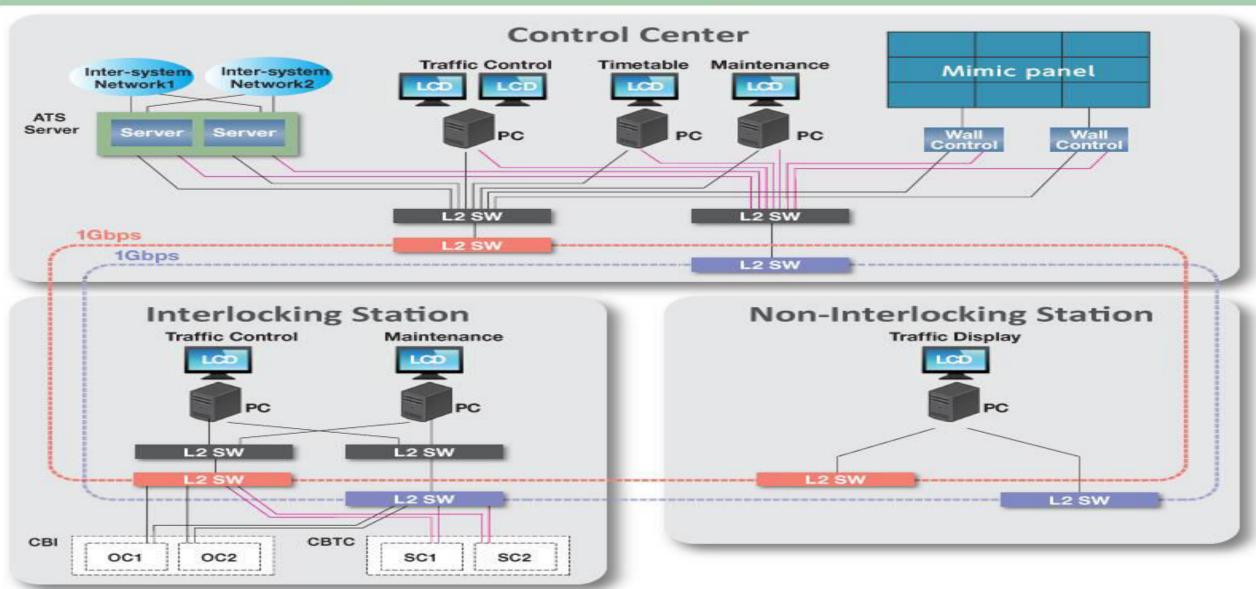


Drone is next generation SPY and Remotely Monitoring&Action

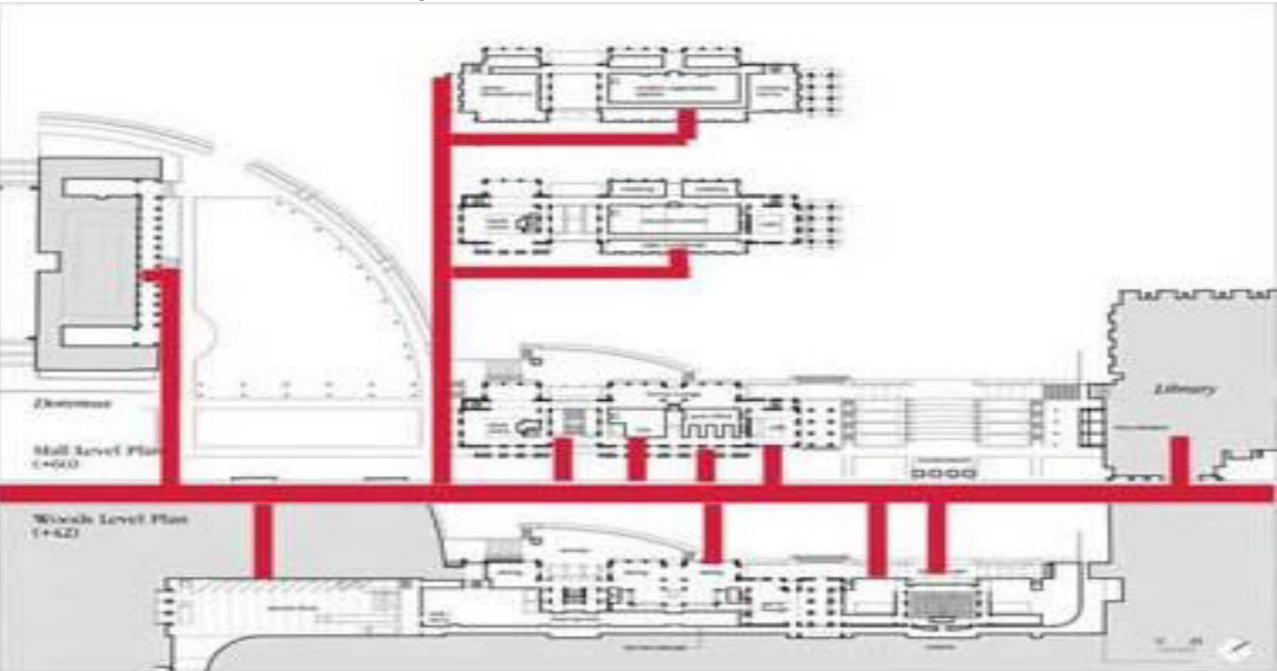
Drone Service Provider

LAN Networking Infrastructure

System Configuration



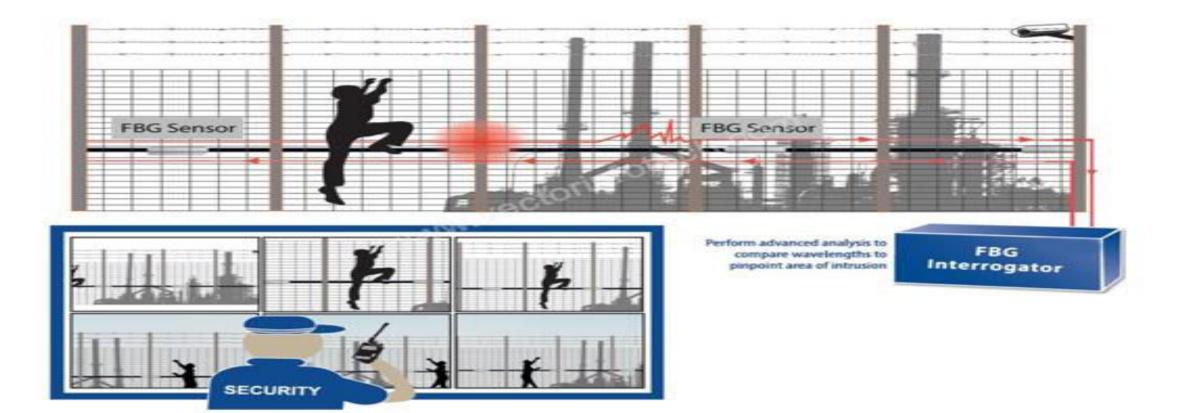
Fiber Optic Cable Network Architecture



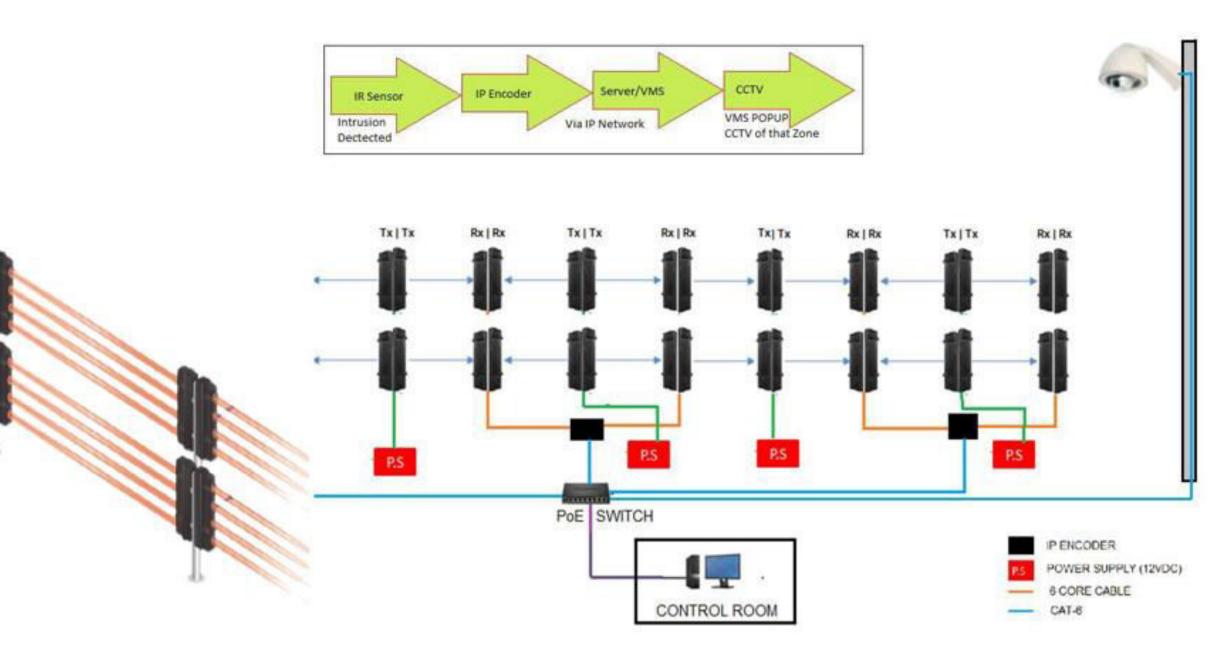
PERIMETER INTRUSION DETECTION SYSTEM

Perimeter Intrusion Detection System (PIDS) is designed to protect assets within a perimeter by detecting intruders attempting to gain access and blocking such access using the control station. Blue Star E&E offers robust and reliable solutions for accurate detection of such unauthorised entry and protection of assets against these threats. The company's turnkey solutions can detect any unauthorised physical intrusions across the perimeter, assess the situation and track intruders for future actions. Features such as instant alarm generation and control by reporting to central monitoring station make it easier to manage such situations.

PIDS-solutions-from^oLink-yue-Systems-Pvt-Ltd--are-based-on-microwave-technology,-Optical-Fibre-Cable-(OFC)-or-video-cameras.-These-can-be-fence-mounted,-buried-underground-or-can-be-tailored-for-specificneeds,-based-on-customer-requirements.-Seamless-integration-of-PIDS-with-other-security-systems-addsone-more-layer-of-comfort-for-the-customer.-This-security-system-is-well-suited-for-military-bases,government-facilities,-oil-refineries,-petrochemical-plants,-power-plants,-sea-ports,-airports,-VIPresidences,-storage-yards-and-so-on.¶



Safe Guard Your Solar Plant from Un Authorized Trespass



Motion Sensor with Alarm Management

 Beam detectors com e in a pair of t ransm it ter and receiver. Each t ransm it ter sends four I R beam s and is received at the receiver.

•When all four beams are blocked by an intruder, then an alarm is communicated to the control panel / sounder.

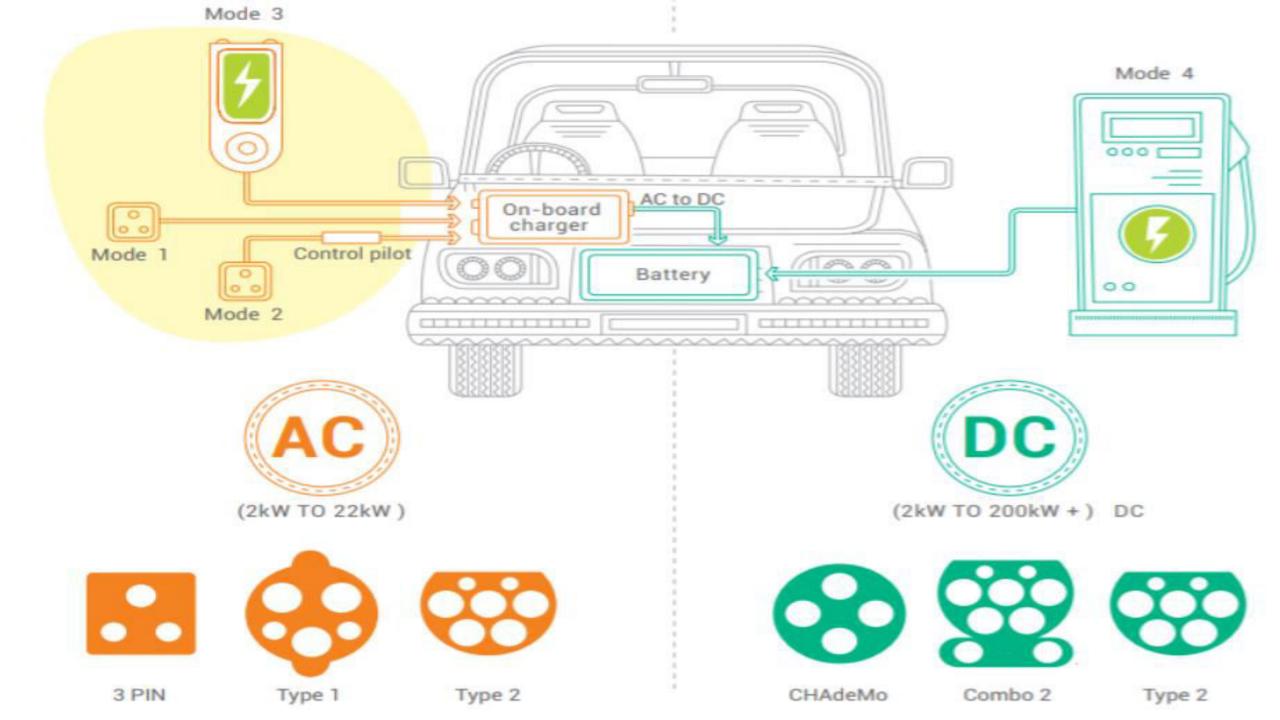
•SL series quad beam detectors have dry contacts available for connection to all kind of alarm panels.

•Easy to install system, com es with autom atic beam alignm ent unit. Rem oves hum an error elem ent with 5 Year Warranty.

 Effective and efficient in securing medium threat locations like office buildings, warehouses, solar farm s etc.







Electrical Vehicle Connectors for ON Board & Charging Unit

74					
Standard	CHAdeMO	GB/T	CCS Type 1	CCS Type 2	Tesla
	IEEE 2030.1.1	GB/T 20234.3	SAE J1772	IEC 62196-3	
	IEC 62196-3	IEC 2196-3	IEC 62196-3	(Configuration FF)	
	(Configuration AA)	(Configuration BB)	(Configuration EE)		
Coupler		ĺ	0-0		
Inlet		0000			010)
		0000			
					\sim
	$(\mathbf{O} \mathbf{O})$	$(\cap \cap)$			
					00
	6.9				000
				$((\bullet I \bullet))$	
Maximum	1000 V	1000 V	600 V	1000 V	410 V
Voltage					CONTRACTOR - A
č					
Maximum	400 A	250 A	200 A	200 A	330 A
Current	400 A	250 A	200 A	200 A	550 A
Current					
	100.1 77		4 50 1 111		10.5.1
Available	400 kW	120 kW	150 kW	175 kW	135 kW
Power					

Electric Vehicle AC & DC Charging Unit for All Vehicles 3KW-360KW



3.5KW / 7KW Portable AC Charging Box

Product Name	3.5KW / 7KW Portable AC Charging Box
Rated current	16A/32A
Power	3.5KW / 7KW
Operation voltage	250V
Insulation resistance	> 500MQ(DC500V)
Contact Resistance	0.5mΩ Max
Terminal temperature rise	< 50K
Withstand voltage	1500V
Mechanical life	no-load plug in/out > 10000 times
Coupled insertion force	45N < F < 100N
Impat of external force	can afford 1M drop
Operating temperature	-30°C-+50°C
Case material	thermoplastic,flame retardant grade UL94 V-0
Terminal	Copper alloy,silver plating
Leakage protection	Overvoltage under-voltage protection/Over load protection/Lightningprotection

7KW Easy-use Charging Box

Product Name	7KW Easy-use Charging Box
Туре	KY-AC-7KW
Dimension(mm)	180*130*120mm
AC Power	220Vac±20%; 50Hz±10%; L+N+PE
Rated Current	32A
Output Power	7kW
Working Condition	Elevation : ≤2000m; Temperature : -20°C~+50°C
Charging Mode	Plug and Charge
Protection Function	Overvoltage, undervoltage, overcurrent, short circuit, surge, leakage, et
Executive Standard	IEC 62196, SAE J1772
Cable Length	5m (optional)
Protection Level	lp54

Electrical properties

1.Rated working current :10A/16A/32A/63A 2.Working voltage: 250/44OV, preferred value 750V 3.Insulation resistance :>1000MΩ(DC500V) 4.Terminal temperature rise :<50K 5.Seal: rubber or silicone i Pressure :2000V 6.Vibration resistance: meet the requirements of JDQ53.36.1.1-53.36.1.2 7.Contact impedance: 0.5MΩMAX 8.Contact number:5

Mechanical property

1.Mechanical life: no load >10000 times

2.When coupling, plug and pull force :<100N

7KW Easy-use Charging Box

Product Name	7KW Easy-use Charging Box
Туре	SE-AC-7KW
Dimension(mm)	150*150*60
AC Power	220Vac±20%; 50Hz±10%; L+N+PE
Rated Current	32A
Output Power	7kW
Working Condition	Elevation : ≤2000m; Temperature : -20°C~+50%
Charging Mode	Plug and Charge
Protection Function	Overvoltage, undervoltage, overcurrent, short circuit, surge, leakage, o
Executive Standard	IEC 62196, SAE J1772
Cable Length	5m (optional)
Protection Level	Ip54

Material application

Shell material: Thermoplastic, flame retardant grade UL94V-O
 Pin: copper alloy, silver plated surface + thermoplastic top
 Seal: rubber or silica gel

Work environment

1.Working environment temperature :-40℃~+105℃

Level of protection

1.Product protection level :IP55

AC 7KW Wall-mounted,Columntype AC Charging Station

Product Name	AC 7kw Charging Station
Туре	SE-AC-7KW Plastic version (Commercial Using)
Dimension(mm)	450*130*305
User Interface	4.3 inch highlight display
AC Power	220Vac±20%; 50Hz±10%; L+N+PE
Rated Current	32A
Output Power	7kW
Working Condition	Elevation : \leq 2000m; Temperature : -20°C~+50°C ;
Charging Mode	swipe card, scan code
Networking Mode	2G, 4G, wifi
Operation Mode	Offline no billing, offline billing, online billing
Protection Function	Overvoltage, undervoltage, overcurrent, short circuit, surge, leakage, etc
Executive Standard	IEC 62196, SAE J1772
Cable Length	5m (optional)
Protection Level	lp54
Installation	Wall-mounted or floor-mounted installation

7KW Wall-mounted Column-type AC Charging Station AC Charging Station

	7KW AC Charging Station (Real-estate type)
Туре	SE-AC-7KW (Home using, Commercial Using)
Dimension(mm)	370*255*85
User Interface	4.3 inch screen
AC Power	220Vac±20%;50Hz±10%;L+N+PE
Rated Current	32A
Output Power	7kW
Working Condition	Elevation : ≤2000m; Temperature : -20°C~+50°C ;
Charging Mode	swipe card, scan code
Networking Mode	2G, 4G, wifi
Operation Mode	Offline no billing, offline billing, online billing
Protection Function	Overvoltage, undervoltage, overcurrent, short circuit, surge, leakage, etc
Executive Standard	IEC 62196, SAE J1772
Cable Length	5m (optional)
Protection Level	lp54
Installation	Wall-mounted or floor-mounted installation

SE-DC-30/40KW Charging Station

	Integrated DC Charg	jing Station		
Туре	SE-DC-30KW	SE-DC-40KW		
Dimension(mm)	550*200*1620 (mm)		
User Interface	4.3 inch touch screen			
Input voltage	AC380V±20%			
Rated Current	67-70A			
Output Power	30KW	40KW		
Working Condition	Elevation : ≤2000m;	Temperature : -20°C~+50°C ;		
Charging Mode	swipe card, scan cod	swipe card, scan code		
Networking Mode	Ethernet, 4G, wifi	Ethernet, 4G, wifi		
Input frequency	45-65Hz			
Protection Function	Overvoltage, undervoltage, o	Overvoltage, undervoltage, overcurrent, short circuit, surge, leakage, et		
Executive Standard	IEC 62196, SAE J1772			
Cable Length	5m (optional)			
Protection Level	lp54			

DC Portable Charging Station

		3.5kw Charging	Box	
Туре	SE-DC-7KW	SE-DC-15KW	SE-DC-20KW	SE-DC-30k
Dimension(mm)	345*175*265	540*375*195	540*375*195	540*375*1
User Interface	Digital tube,	LED		
Output Voltage	200V-750V	200V-750V	200V-750V	200V-750
Power factor	≥0.99 (above	50% load)		
HMI	LED	LED		
Working Condition	Elevation : ≤	Elevation : ≤3000m; Temperature : -20°C~+50°C ;		
Charging Mode	Switch Start	Switch Start		
Output Frequency	45-65 Hz	45-65 Hz		
Protection Function	Overvoltage, undervoltage, overcurrent, short circuit, surge, leakage, etc.			
Executive Standard	IEC 62196, SAE J1772			
Cable Length	5m (optional)			
Protection Level	lp54			

AC 14 KW Double plugs

	AC 14kw Charging Station
Туре	SE-AC-14KW
Dimension(mm)	480*350*120
User Interface	4.3 inch highlight display
AC Power	220Vac±20%; 50Hz±10%; L+N+PE
Rated Current	32A
Output Power	14kW
Working Condition	Elevation : ≤2000m; Temperature : -20°C~+50°C ;
Charging Mode	Swipe card, scan code
Networking Mode	Ethernet,, 4G, wifi
Operation Mode	Offline no billing, offline billing, online billing
Protection Function	Overvoltage, undervoltage, overcurrent, short circuit, surge, leakage, etc
Executive Standard	IEC 62196, SAE J1772
able Length	5m (optional)
rotection Level	lp54
CD	Type B
nstallation	Wall-mounted or floor-mounted installation

Wall-mounted or floor-mounted installation tailatio

retallation Wall-mounted or floor-mounted installation E-DC-60KW/80KW Charging Station SE-DC-120/180KW Charging Station

	Integrated DC Charg	ping Station	Product Name
/pe	SE-DC-60KW	SE-DC-80KW	Type
imension(mm)	720*557*1700(mm)		Dimension(mm)
ser Interface	7 inch LCD color dis	play touch screen	User Interface
put voltage	AC380V±20%		Input voltage
ated Current	100-180A		Rated Current
utput Power	60KW	80KW	Output Power
orking Condition	Elevation : < 2000m; Temperature : - 20% - + 50% -		Working Condition
harging Mode	swipe card, scan coo	de	Charging Mode
etworking Mode	Ethernet, 4G, wifi	F1 10 17	
put frequency	45-65Hz		Networking Mode Input frequency
otection Function	Overvoltage, undervoltage,	overcurrent, short circuit, surge, leakage, etc.	Protection Function
ecutive Standard	IEC 62196, SAE J177	2	Executive Standard
able Length	5m (optional)		Cable Length
otection Level	lp54		Protection Level

SE-AC-22/44KW double Plugs Floor standing type AC Charging Station

Product Name	AC 22/44 kw Charging	
Туре	SE-AC-22/44KW	
Dimension(mm)	500*350*130	500*350*130
User Interface	4.3 inch highlight dis	play
AC Power	380Vac±20%;50Hz±	10% ; L+N+PE
Rated Current	32A	
Output Power	22kW	44kW
Working Condition	Elevation : ≤2000m;	Temperature : -20°C~+50°C ;
Charging Mode	swipe card, scan code	e
Networking Mode	Ethernet, 4G, wifi	
Operation Mode	Offline no billing, off	line billing, online billing
Protection Function	Overvoltage, undervoltage, or	vercurrent, short circuit, surge, leakage, eti
Executive Standard	IEC 62196, SAE J1772	2
Cable Length	3.5m (optional)	
Protection Level	Ip54, Type B RCCB	
Installation	Wall-mounted or floo	pr-mounted installation

SE-DC-120KW

120KW

45-65Hz

5m (optional) lp54

720*557*1700 (mm)

swipe card, scan code Ethernet,, 4G, wifi

IEC 62196, SAE J1772

7 inch touch screen AC380V±20% 250-280A

SE-DC-180KW

180KW

Elevation : ≤2000m; Temperature : -20°C~+50°C ;

Overvoltage, undervoltage, overcurrent, short circuit, surge, leakage, etc.

SE-DC-240/360KW Charging Station

Product Name	Integrated DC Charging Station		
Туре	SE-DC-240KW	SE-DC-360KW	
Dimension(mm)	720*557*1600(mm)		
User Interface	7 inch touch screen		
Input voltage	AC380V±20%		
Rated Current	400-630A		
Output Power	240kW	360kW	
Working Condition	Elevation : ≤2000m;	Temperature : -20°C~+50°C ;	
Charging Mode	swipe card, scan code		
Networking Mode			
Input frequency	45-65Hz		
Protection Function	Overvoltage, undervoltage, overcurrent, short circuit, surge, leakage, etc.		
Executive Standard	IEC 62196, SAE J1772		
Cable Length	5m (optional)		
Protection Level	Ip54		

SE-DC-120KW Charging Station

Detailed spe Dimensionin

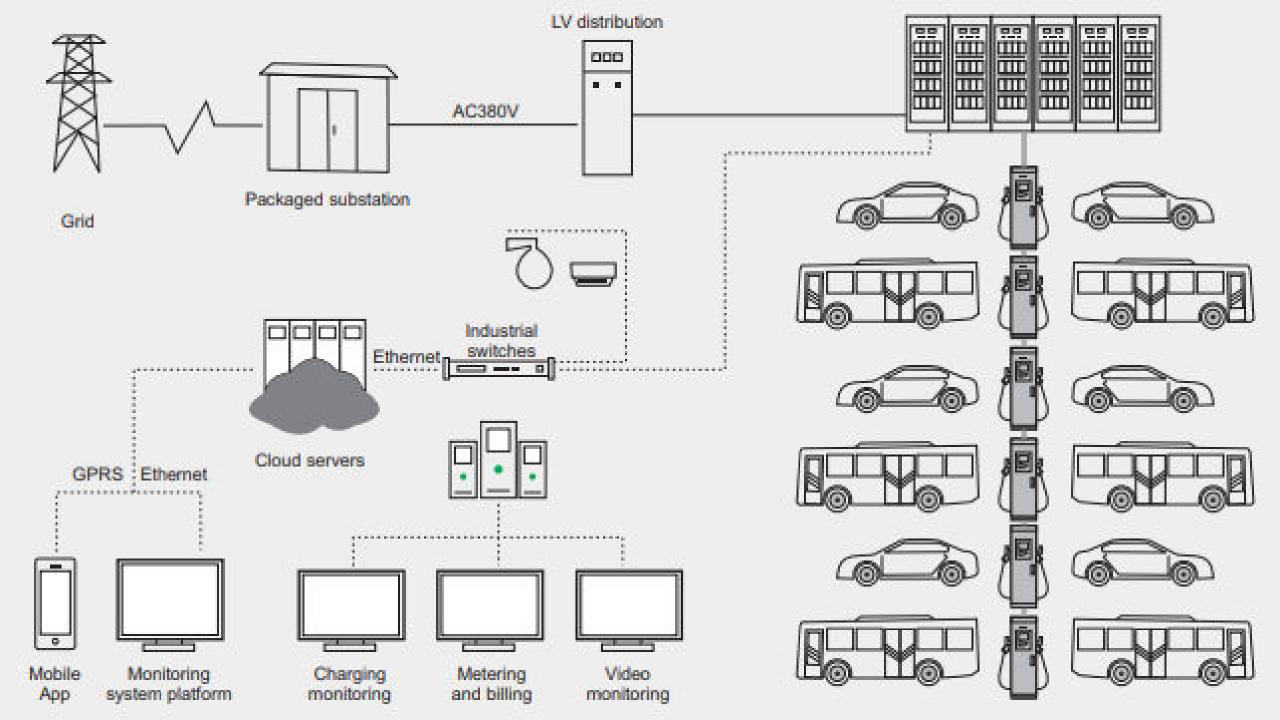
Charging

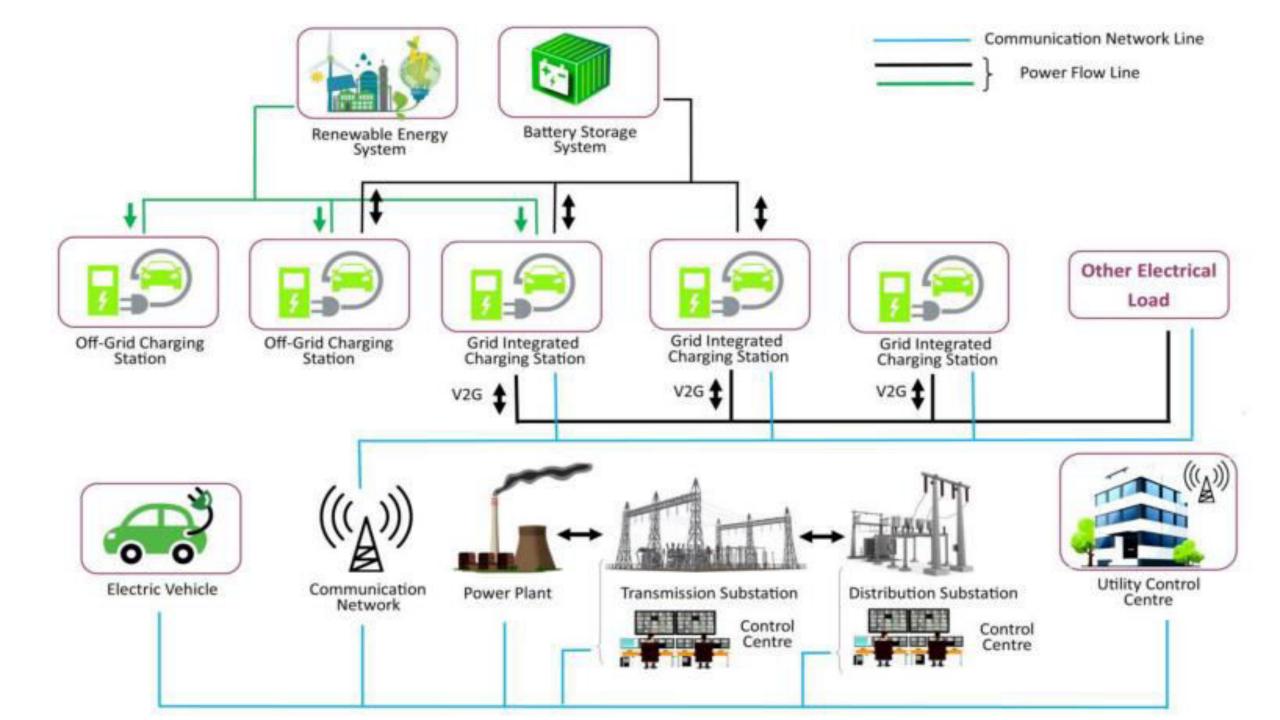
Electrical I

Feature De

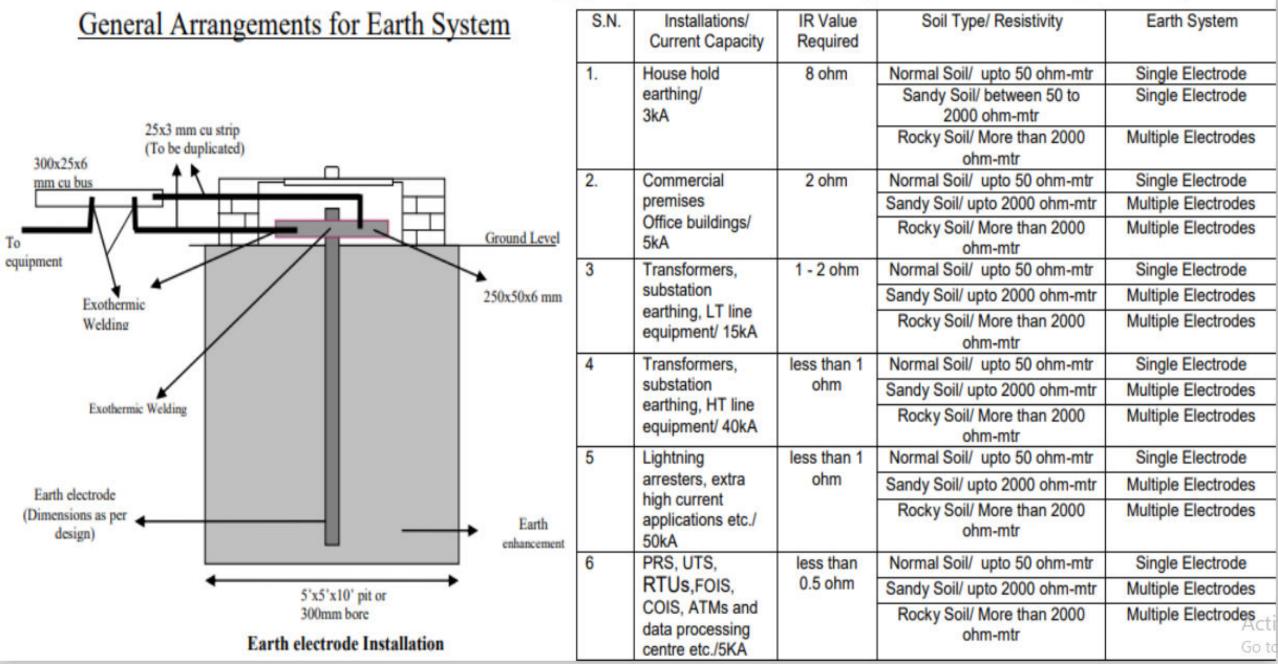
Environme

			E-DC-120A/8		
ecifications mm)	Rated Power	and the second sec	120KW		
	User Interface	7 inch LCD	color display touch screen	i.	
	output method	CCS/CHAdeMO	CCS/CHAdeMO	Type2	
	Output Power	60kw	60kw	22kw	
	Installation method	Floor-standing			
	Route way	1	Down in and Down out		
Equipment	Equipment size	[700] * (500) * (1672) mm			
	Input voltage	AC360V±20%			
	Input frequency		45~65Hz		
	The output voltage		200-750V		
Sing	Single pur putput current range		0.1604		
	Protocol		OCPP 16		
	Cable length	58			
	Measurement accuracy		0.SLevel		
	Current limit protection value	≥110%			
	Regulation accuracy	640.5%			
	Steady current accuracy	5 5 2 %			
index	Ripple coefficient	5±0.5%			
	effectiveness	eis 294.5%			
	Power factor	Floor-standing Down in and Down out (7001*(500)*(1672) mm AC380*120% 45-65Hz 200-750V trange 0.160A DSUP16 Sm trange 0.5Level 100/25 trange 0.5Level 1100% 540.5% 540.5% 209 (Above 50% load) 7 inch LCD color display touch screen, LED in Automatic charging / fland power / fland amount Dag pet memory downlap preton where plan parton identing proton and babba power	wer factor 20.99 (Above 50% load)		
	Harmonic content THD	≤5% (Above 50% load)			
	HDME	7 inch LCD color display touch screen, LED indicator		ED indicator	
esign	Charging mode	Automatic charging	/ fixed power / fixed am	ount / fixed time	
and the	Security Function	7 inch LCD color display touch sor CCS/CHAdeMO 60km Floor-standing Down in and Down ou (700 * (500) * (1672) AC380V x 20% 45-65Hz 200-790V 0.160A 0CPP 1.6 5m 0.5Level 31505 5m 0.5Level 31505 5m 0.5Level 31505 5m 0.5Level 31505 5% (Above 50% load) 7 inch LCD color display touch screen Automatic changing / fixed power / fixed, 20% P16 5% (Above 50% load) 7 inch LCD color display touch screen Automatic changing / fixed power / fixed, 20% protection proton were play proton when automatic changing proton were play tools (admitted) and proton were play proton to the proton street 5% - 95% non-condensu -25% - 95% non-condensu -3000m 1954	protection (wertemperature protection is	w temperature protection,	
	Operating temperature	0.000000	-25°C-+50°C		
	Working humidity	59	- 95% non-condensing		
	Working altitude		+3000m		
ental Indicators	Protection class		IP54		
and a second state	cooling method		Forced air cooling		
	Noise control		±60d8		
	MTBF		100:000 hours		

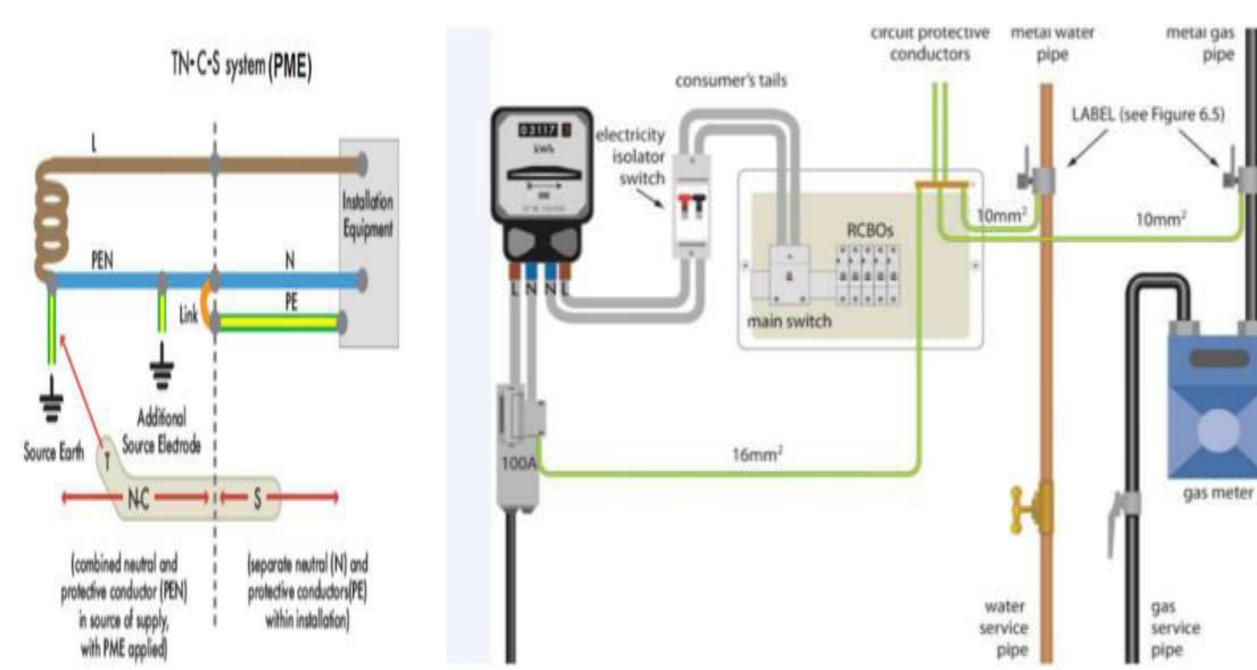




Maintenance Free Earthing installation as per IS3043(2018)



Earthing as per IS3043 and IEEE 80



I am Power Plug I will be Marry with only My Right Partner

Make you Safety and Comfort





Solar PV and EV Connectors /Harness



MC 4 Connectors DC Voltage 1500 V-1800V 30Amps











Electric Vehicle and ElectricVehicle ChargingConnectors, Cable

Harness

AC EV Charger Connector

AC EV Charger Socket

in the last



Test 2 house in the loss lass i manufa te

Spring Married

DC EV Charger Connector



DC EV Charger Socket



ins I have for high

Spi 766 D'Lefel



Cit-Invasor Randards Industri V Page Ver-



(EVEM - European Standards Female to Male EV Plug / Type 2 to Type 2 EV Charging Cable 3



(19WE - American Standards to European Standards (V Plug / Type Etc Type 2 FV Charging Cable)



104-sharehor Mandards (177ba), Tapa 2 (177ba) Well (127





Out DooR IP 68 CEE Compliance Plug & Socket for Special Electrical Equipment's

2.7 CEE Plug,Socket & Coupler

-			
-	-0	10.0	
فت	1		





9	4	4 pole	
	3 pole	4 pole	5 pole
IP44	SF1331	SF1431	SF1531
IP67	SF1332	SF1432	SF1532
IP44	SF3331	SF3431	SF3531
IP67	SF3332	SF3432	SF3532
IP44	SF6331	SF6431	SF6531
IP67	SF6332	SF6432	SF6532
IP67	SF5332	SF5432	SF5532
	IP44 IP67 IP44 IP67 IP44 IP67	3 pole IP44 SF1331 IP67 SF1332 IP44 SF3331 IP67 SF3332 IP44 SF6331 IP67 SF6332	3 pole 4 pole IP44 SF1331 SF1431 IP67 SF1332 SF1432 IP44 SF3331 SF3431 IP67 SF3332 SF3432 IP44 SF6331 SF6431 IP67 SF6332 SF6432





2.7.3 Wall mounted CEE Socket



3 pole	3	4	pole	5 pole
Ampere		3 pole	4 pole	5 pole
404	IP44	SF1311	SF1411	SF1511
16A	IP67	SF1312	SF1412	SF1512
32A	IP44	SF3311	SF3411	SF3511
3ZA	IP67	SF3312	SF3412	SF3512
63A	IP44	SF6311	SF6411	SF6511
03A	IP67	SF6312	SF6412	SF6512
125A	IP67	SF5312	SF5412	SF5512

2.7.2 Panel side-mounted CEE Socket







3 pole	e	4	pole	5 pole
Ampere		3 pole	4 pole	5 pole
10.4	IP44	SF1341	SF1441	SF1541
16A	IP67	SF1342	SF1442	SF1542
224	IP44	SF3341	SF3441	SF3541
32A	IP67	SF3342	SF3442	SF3542
63A	IP44	SF6341	SF6441	SF6541
63A	IP67	SF6342	SF6442	SF6542
125A	IP67	SF5342	SF5442	SF5542

2.7.4 CEE Interlock Switch Socket







3 pole		4 pole		5 pole	
Ampere		3 pole	4 pole	5 pole	
16A	IP67	SF1372	SF1472	SF1572	
32A	IP67	SF3372	SF3472	SF3572	
63A	IP67	SF6372	SF6472	SF6572	

Out DooR IP 68 CEE Compliance Plug & Socket for Special Electrical Equipment's Cable 2 Cable Plug & Sockets

2.7.7 CEE Concealed plug





2.7.5 CEE Coupler



3 pole		4 pole		5 pole	
Ampere		3 pole	4 pole	5 pole	
16A	IP44	SF1321	SF1421	SF1521	
	IP67	SF1322	SF1422	SF1522	
32A -	IP44	SF3321	SF3421	SF3521	
	IP67	SF3322	SF3422	SF3522	
63A	IP44	SF6321	SF6421	SF6521	
	IP67	SF6322	SF6422	SF6522	
125A	IP67	SF5322	SF5422	SF5522	







3 pole		4 pole		5 pole	
Ampere		3 pole	4 pole	5 pole	
16A	IP44	SF1351	SF1451	SF1551	
	IP67	SF1352	SF1452	SF1552	
32A -	IP44	SF3351	SF3451	SF3551	
	IP67	SF3352	SF3452	SF3552	
63A	IP44	SF6351	SF6451	SF6551	
	IP67	SF6352	SF6452	SF6552	
125A	IP67	SF5352	SF5452	SF5552	

2.7.6 CEE plug







3 pole		4 pole		5 pole	
Ampere		3 pole	4 pole	5 pole	
16A	IP44	SF1301	SF1401	SF1501	
	IP67	SF1302	SF1402	SF1502	
32A	IP44	SF3301	SF3401	SF3501	
	IP67	SF3302	SF3402	SF3502	
63A -	IP44	SF6301	SF6401	SF6501	
	IP67	SF6302	SF6402	SF6502	
125A	IP67	SF5302	SF5402	SF5502	

2.7.8 CEE Wall mounted plug







3 pole		4 pole		5 pole	
Ampere		3 pole	4 pole	5 pole	
16A	IP44	SF1361	SF1461	SF1561	
	IP67	SF1362	SF1462	SF1562	
32A	IP44	SF3361	SF3461	SF3561	
	IP67	SF3362	SF3462	SF3562	
63A	IP44	SF6361	SF6461	SF6561	
	IP67	SF6362	SF6462	SF6562	

Electric Vehicle and Out Door Safety Connectivity



SF-NP282815-1 Size:280*270*155



SF-NP282815-2 Size:280*270*155



Size:530*320*175



Size:240*120*120



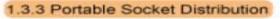
Size:240*120*120



SF-NP334317-1 Size:430*320*175



SF-NP334318-1 Size: 800*600*220





Size:490*140*95





Size:800*600*220

00

SF-1805C

Size:430*120*70





SF-1807-A



SF-1086A



Size:260*245*260

5.00

SF-18068 Size:308*277*238



SF-1807-D



SF-1086-E

I am Customize and I am Answer For All Our Door Electrical 1.4 waterproof switch socket

1) A Verison



SF-1808 Size:478*340*330



SF-1808 Size:478*340*330



SF-NP1903 Size:460*430*380

00000

0000

0000 000

10 IN 18 15 IS

SF-NP1906

Size:900*630*430



SF66-SR

Size:100*100*73

one Eu socket

waterproof box

SF66-U Size:100*100*73 one Universal socket waterproof box



SF66-SRS

Size:100*200*73

one Eu socket with

switch waterproof box

SF66-US

Size:100*200*73

socket with switch

one Universal

waterproof box



SF66-2U Size:200*100*73

SF66-2SR

2*Eu socket

waterproof box

Size:200*100*73



1.4.1 IP66 Waterproof Box for 45*45mm modules



2*Universal socket waterproof box



SF66-S2SR

Size 300*100*73

2*Eu socket with

switch waterproof box



SF66-53U

SF66-S3SR

waterproof box

3*Eu socket

with switch

Size:400*100*73

Size 300*100*73 2*Universal socket with switch waterproof box

Size:400*100*73 3*Universal socket with switch waterproof box



SF-NP1901

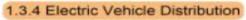
Size:480*480*480



SF-NP1902

Size:588*480*480

SF-NP1905 Size:680*630*430





Size:290*210*120



one UK socket waterproof box



SF66-SS Size:100*200*73

one UK socket with



2*UK socket

waterproof box

SF66-2S Size:200*100*73



SF66-S25

Size:300*100*73 2*UK socket with switch waterproof box

SF66-S2FR

with switch



SF66-535

Size:400*100*73 3*UK socket with switch waterproof box



SF66-FR Size:100*100*73 one French socket waterproof box



SF66-FRS Size:100*200*73 one French socket with switch waterproof



SF66-2FR Size:200*100*73 2*French socket waterproof box



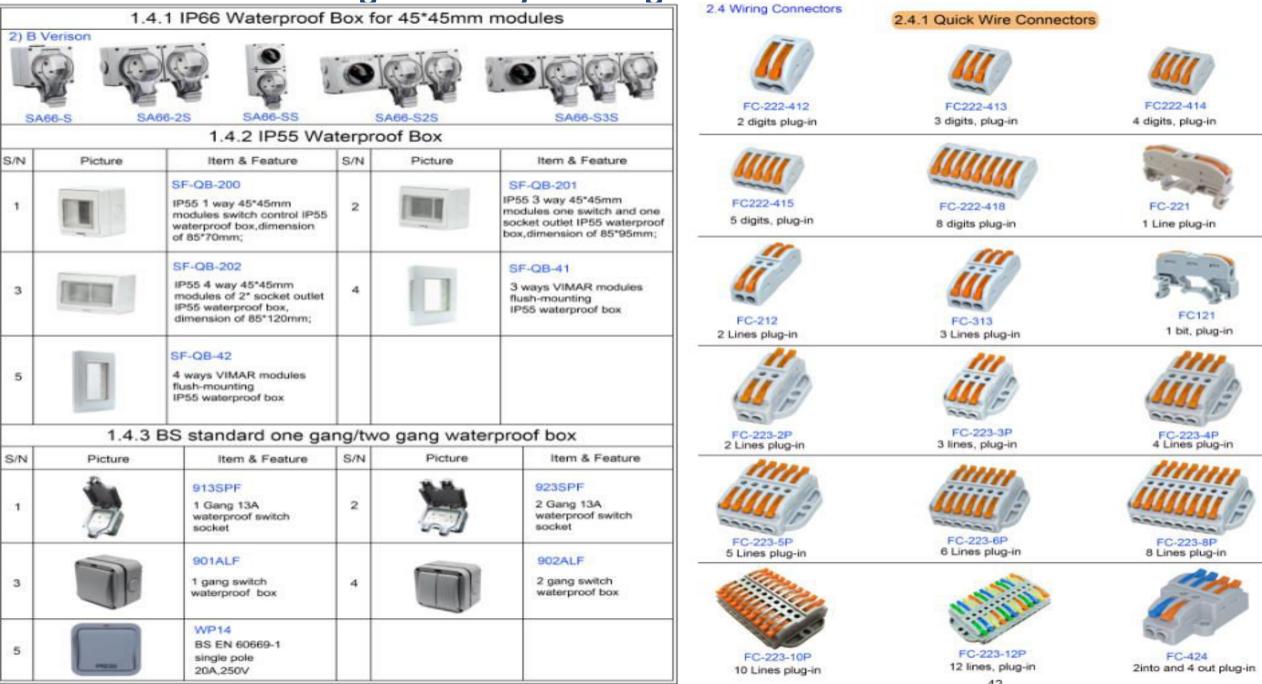


SF66-S3FR Size 400*100*73





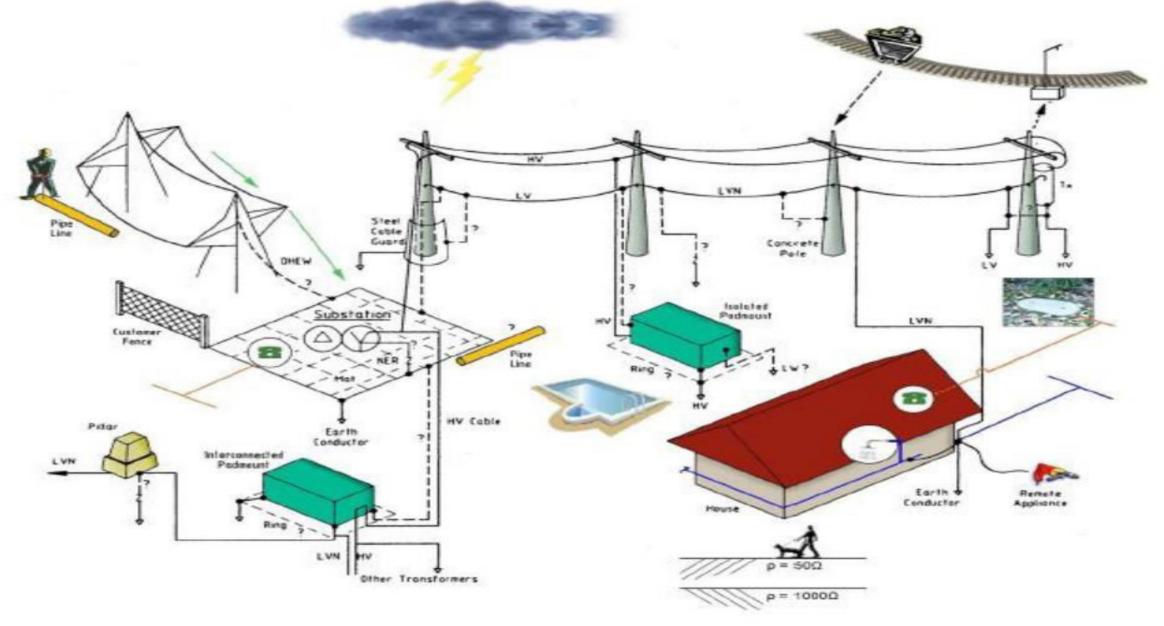
IP 68 Out doorPlug&Sockets/Building Internal Electrical Cable Freedom



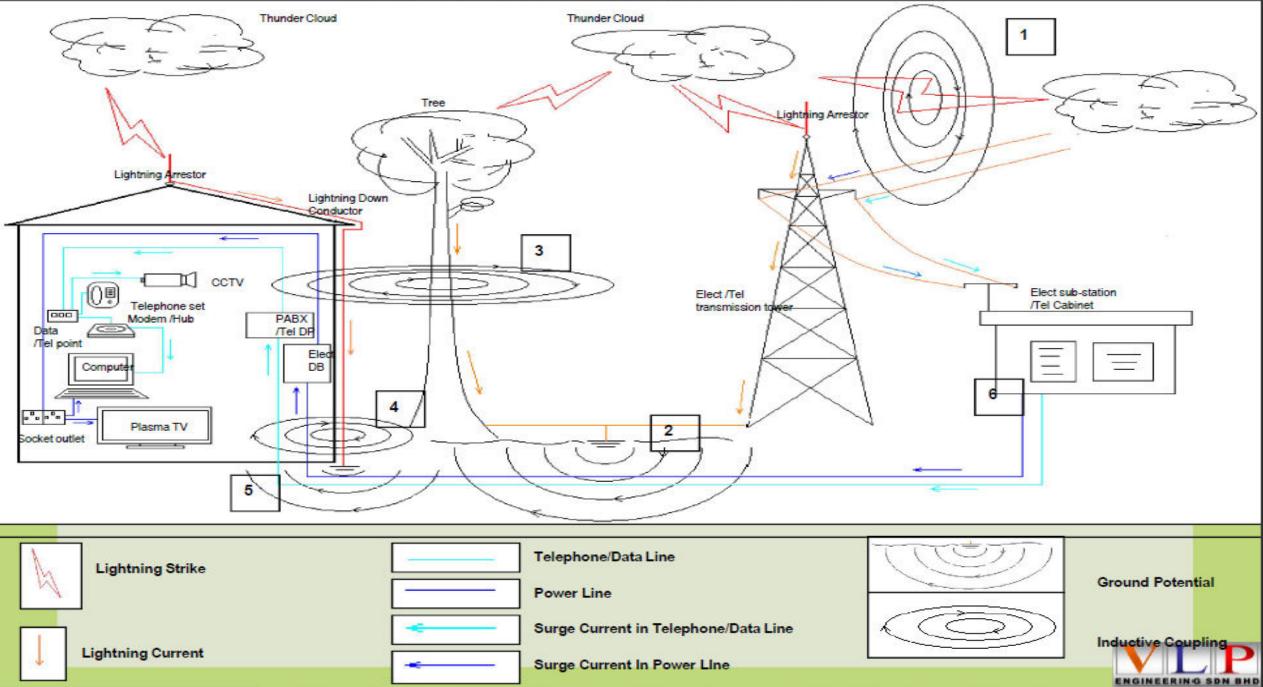
Special Connectors for Low Voltage Electrical Cable FreeDOM



Lightning Charges Travel in KM & Enter (Systems) from many medium

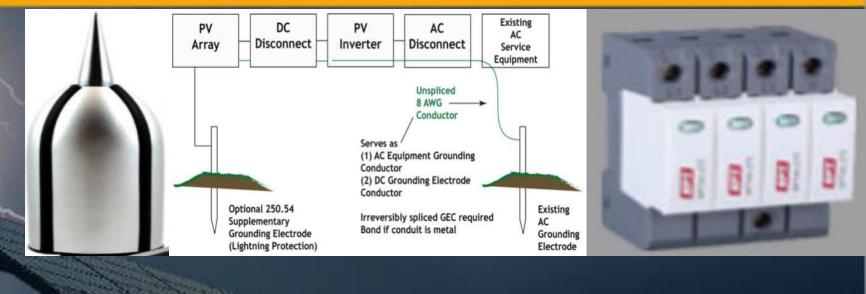


POSSIBLE SOURCES OF SURGES



DC Power Plant we Ensure Safety

LIGHTNING PROTECTION SYSTEMS IN PHOTOVOLTAIC POWER PLANTS





DETECTION

AIR TERMINALS AND ACCESSORIES



EARTHING



OVERVOLTAGES

Link Vue System Electrical Safety (SurgeProtection, Lightning Protection& Earthing)

SURGEPROTEC

Lightning Equipotential Bonding Isolating

PA

40 kA

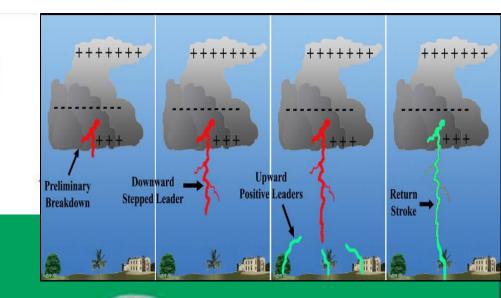
Spark Gaps

Surge protection devices (SPDs) shall be provided for the main electrical distribution system including subswitch boards and distribution boards, computers, electronic equipment, fire alarm panel, PABX equipment, UPS equipment, CCTV equipment, MATV equipment, card access equipment etc which are susceptible to lightning and switching surges.

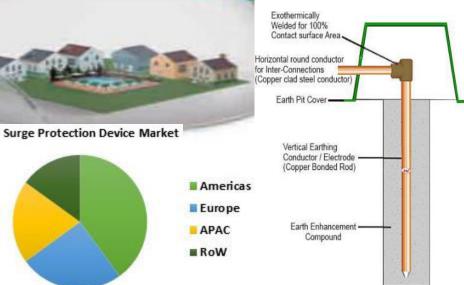
15 kA

30 kA

PA = Primary Arrester



Maintenance Free Earthing





Type 1 SPD-lightning current arresters

Combined, spark gap and MOV limp 25 kA / 100 kA Up ≤ 1.5 kV No follow current, zero leakage current Full coordination with Type 2 SPD

Products

Surge Protector







SPD PV - surge arrester

Combination of MOV and spark gap PV Type 2 SPD MOV surge arrester UCPV 170 to 1500 V DC In 15 to 20 kA Imax 40 kA

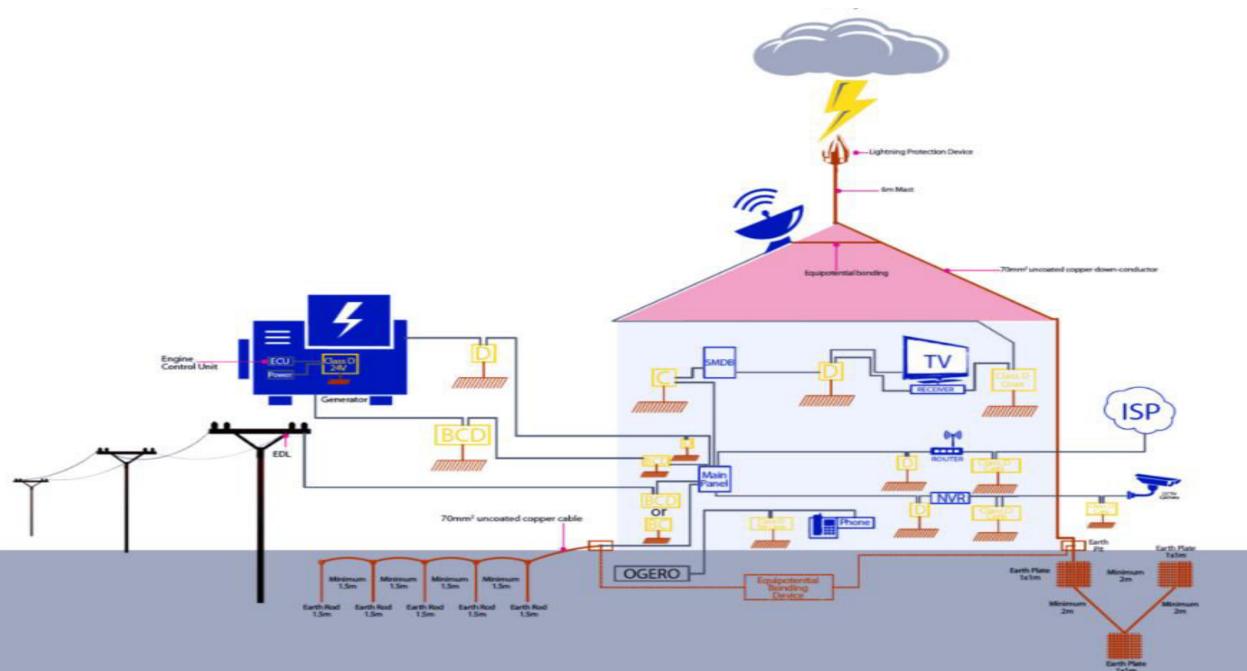
Type 2 SPD – surge arresters Combined, spark gap and MOV

Combined, spark gap and MOV U c 75 to 760 V AC In 20 kA / Imax 40 kA Up ≤ 1.35 kV

Type 1 and 2 SPD -combined arresters B+C

Combined, spark gap and MOV limp 12.5 kA / 50 kA Up ≤ 1.5 kV No follow current, zero leakage current

Surge Protection Class B C and D as per Equipment Category



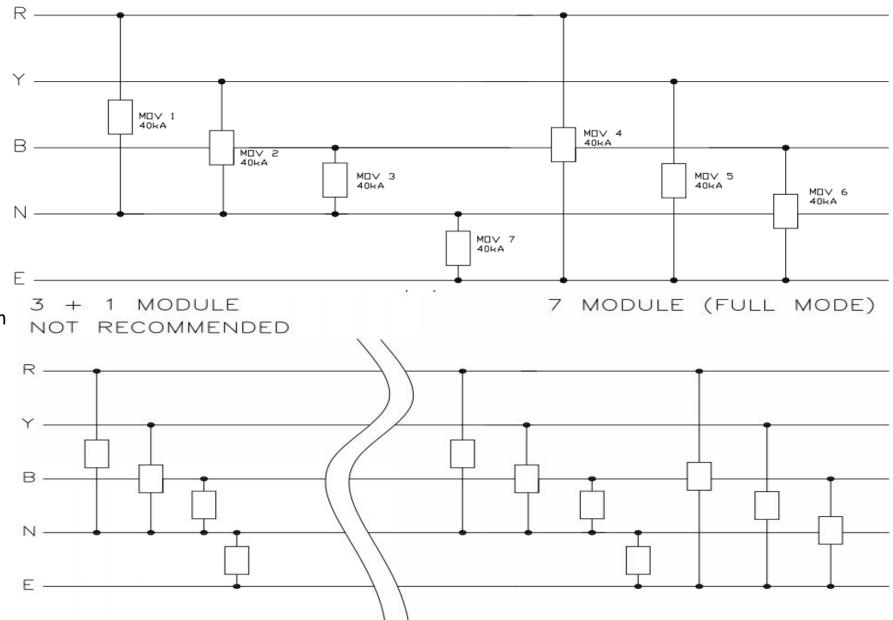
Surge Protection Installation Guide Line

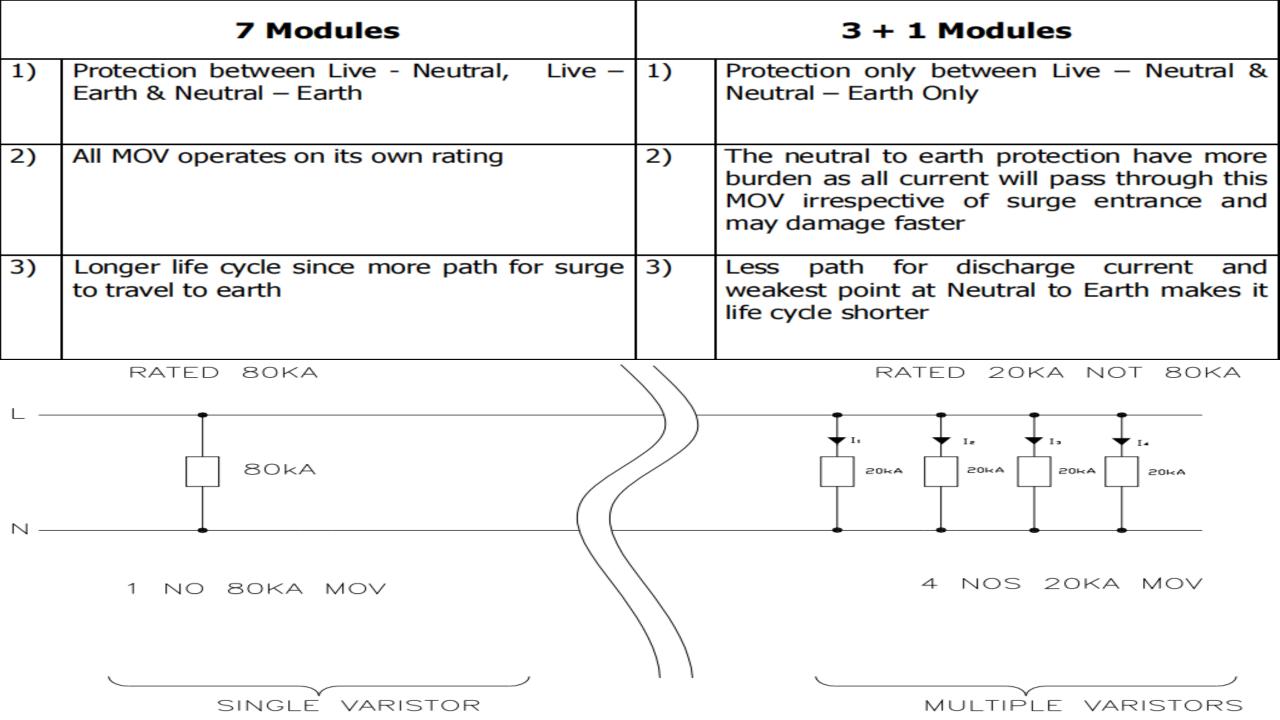
MODULE (FULL MODE)

KA RATING 40KA PER PHASE (L-N, N-E, L-E)

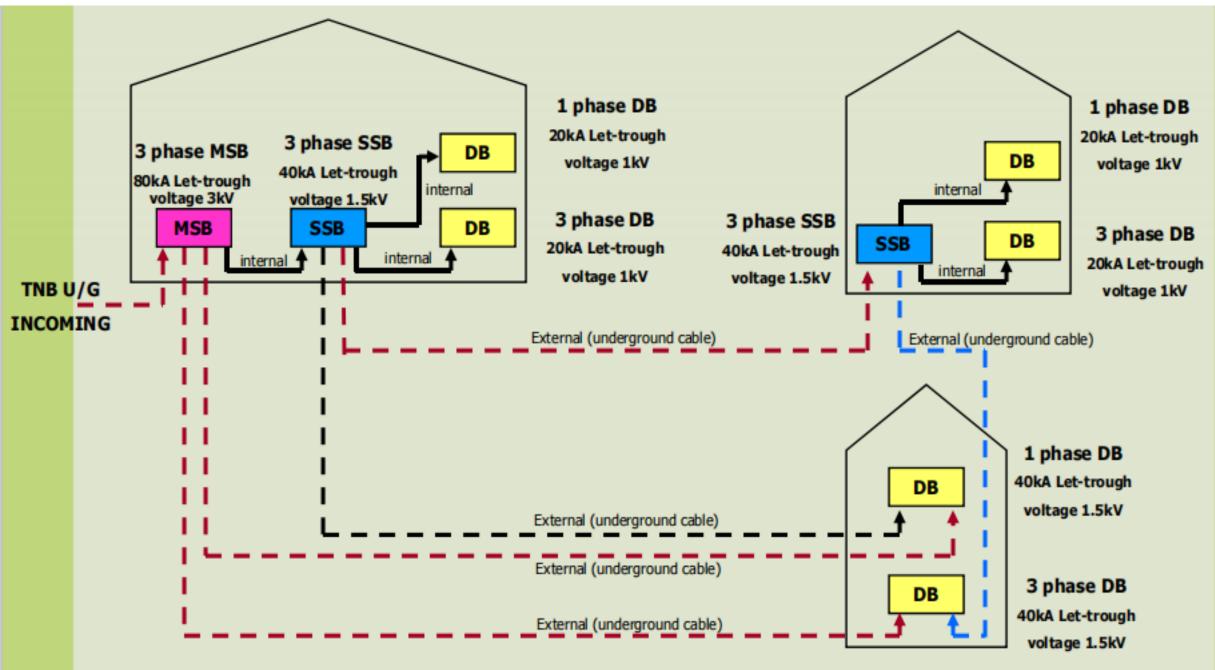
SPD for power lines

- 7 module full mode protection
- Monoblock type
- Not interrupt the system
- kA rating determine by the weakest link
- Enclosed in rugged, safe, all metal enclosure
- Provided with solid state indicators (LED)
- Installed in parallel
- Design to withstand multiple strikes
- SPD for data/signal
- Compatible & transparent to existing system Not interrupt operation system

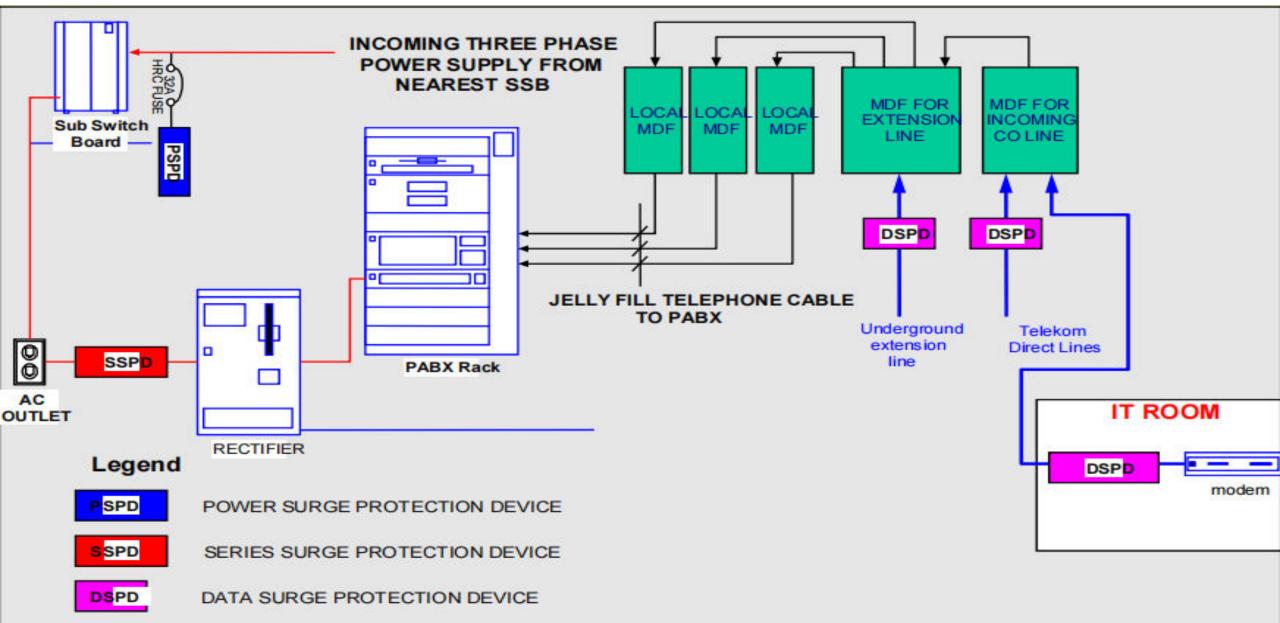




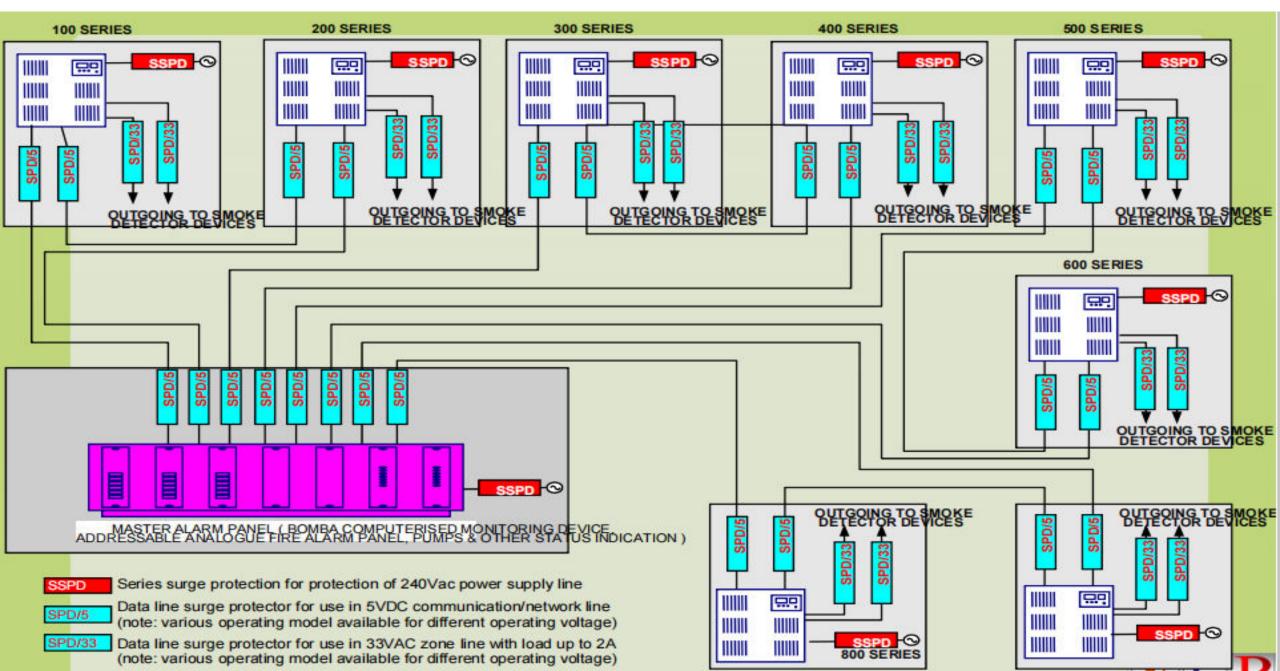
SURGE PROTECTION SELECTION FOR POWER SYSTEM



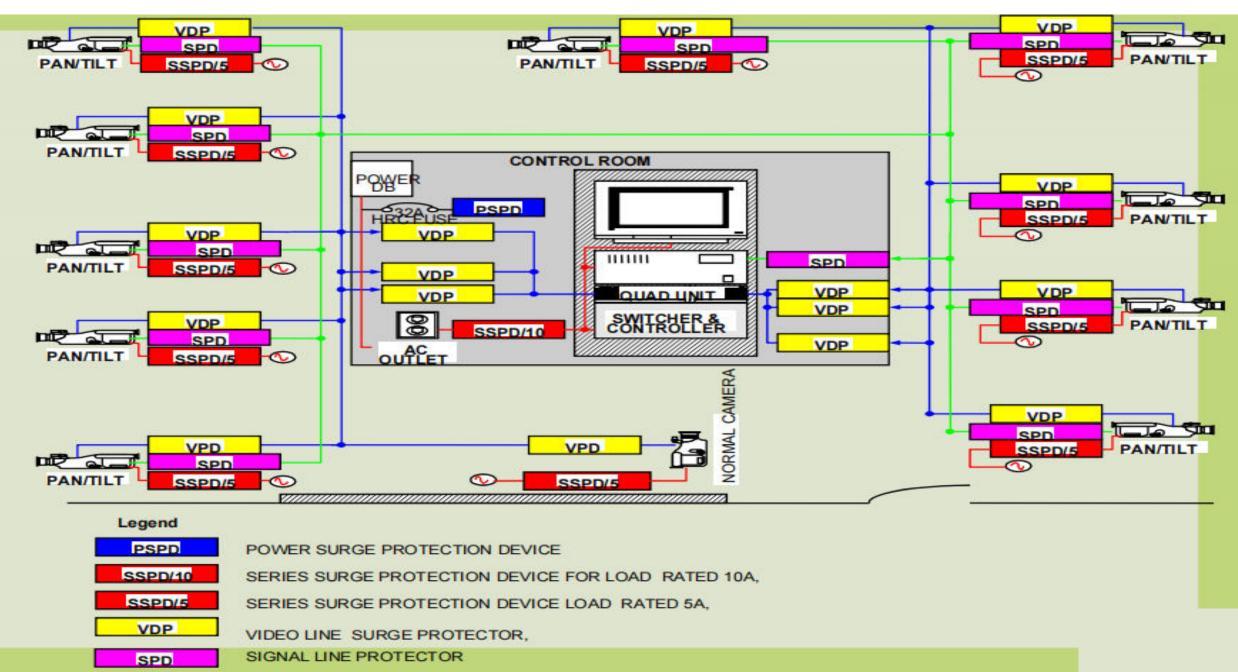
SURGE PROTECTION SELECTION FOR PABX SYSTEM



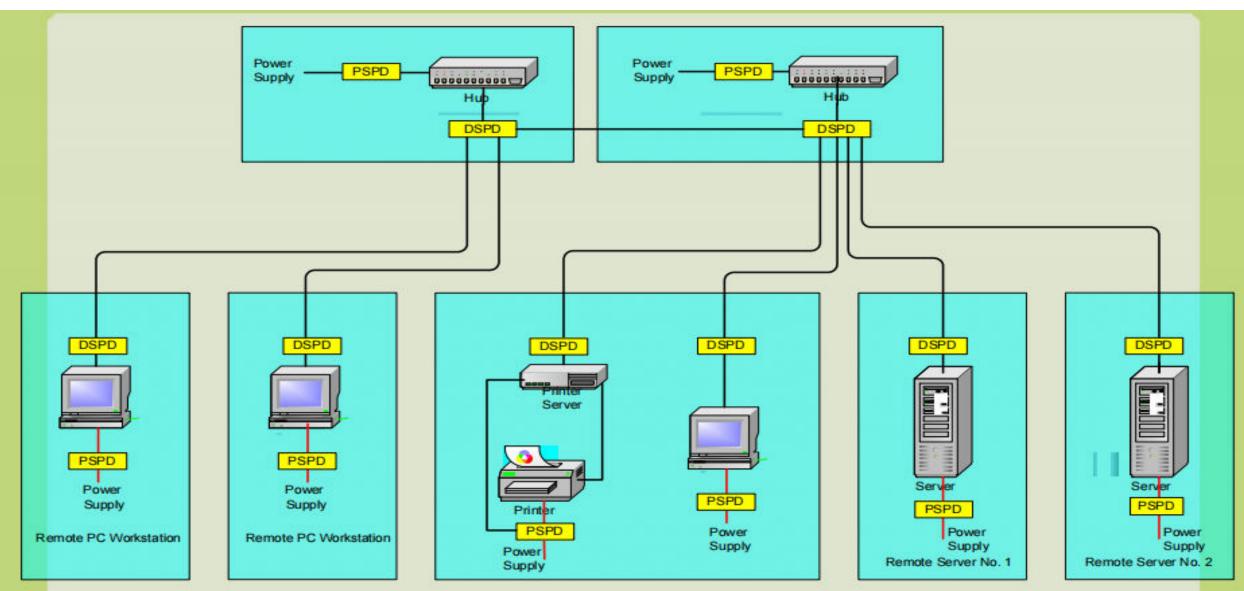
SURGE PROTECTION SELECTION FOR FIRE ALARM SYSTEM



SURGE PROTECTION SELECTION FOR CCTV SYSTEM



SURGE PROTECTION SELECTION FOR NETWORKING SYSTEM

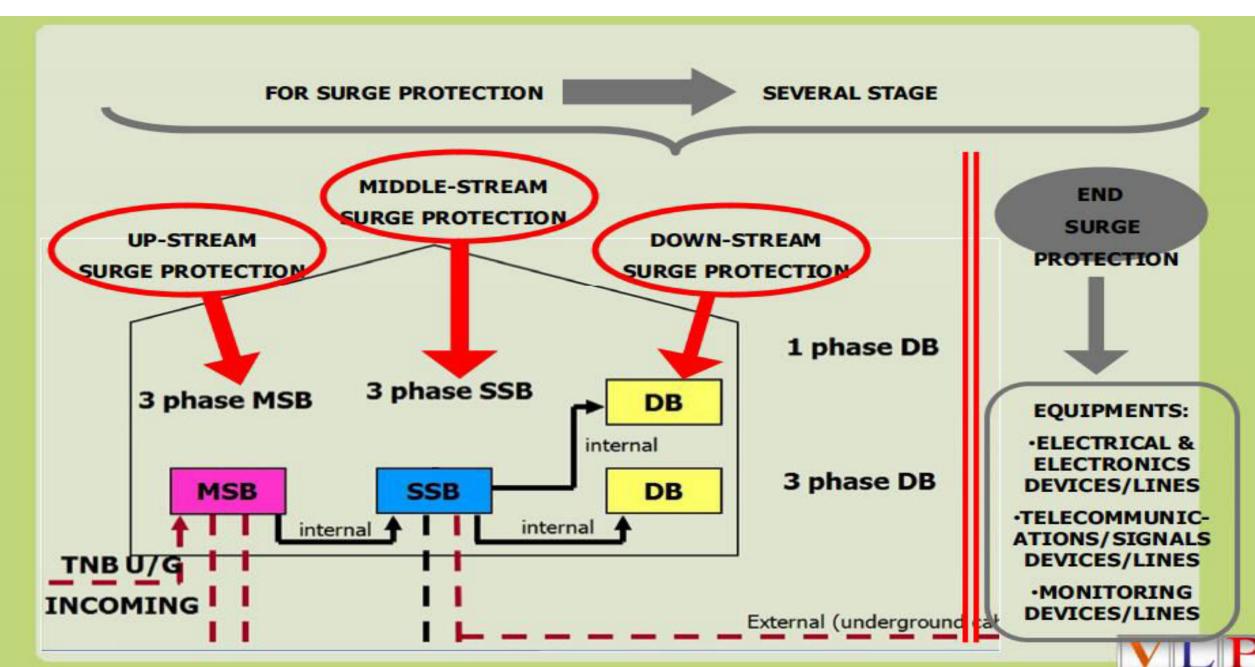


DSPD DATA SURGE PROTECTOR

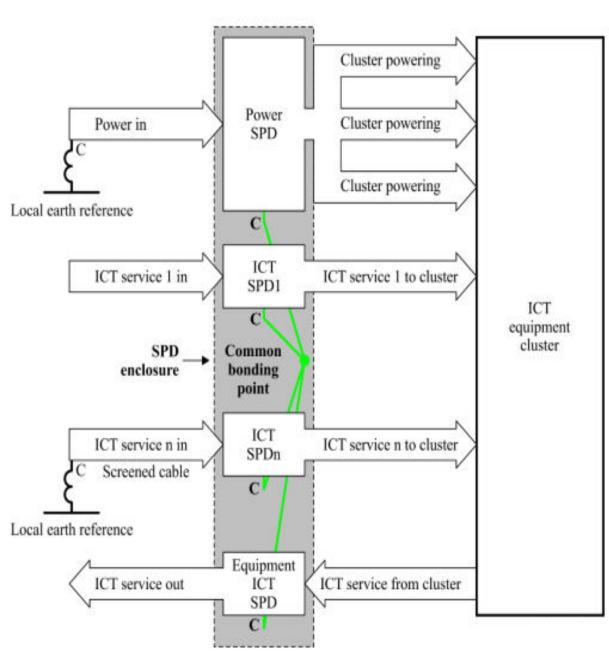
DSPD POWER SURGE PROTECTOR

VIP

SURGE PROTECTION SELECTION



Surge Protection Installation for Multiple Equipments Safety



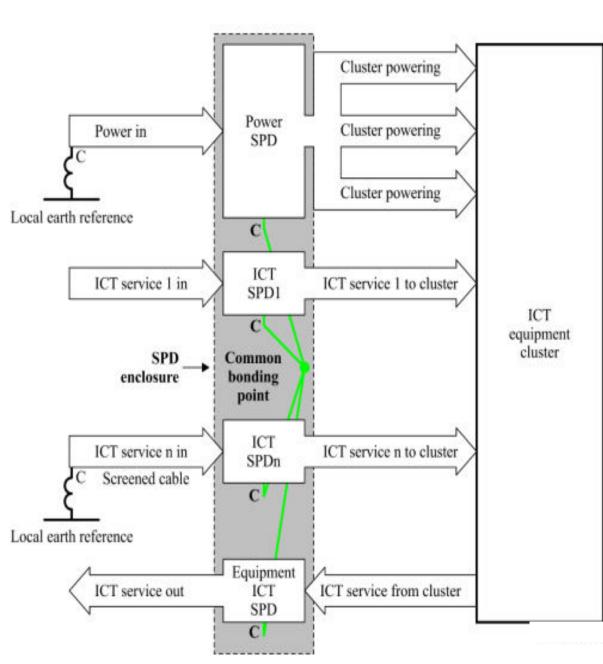
A surge reference equaliser does two things; it brings together all he service SPDs by locating themin a single enclosure and provides a ocal earth reference for all the SPD "C" terminals to directly connect he common bonding point, or "star" connection has two external earth reference

Due from the power SPD mains plug/socket local earth reference ind the other from the screened cable remote earth reference. This neans that the diverted surge current can split between the power ind screened cable earth references.to avoid earth loops in normal operation, one SPDn option is to make the screened cable C"connection to the common bonding point via an SPD with a witching function, which maintains isolation during normal conditions but provides a bond during the occurrence of a surge.

⁻he surge reference equaliser is now called an MSPD, although there nay not be any SPDs in it,only SPCs giving the equivalent surge unctionality of the replaced SPDs.

ASPD for protecting power, antenna, telephone and Ethernet ervices with warning lights for protection failure and missing earth connection.

Surge Protection Installation for Multiple Equipments Safety



A surge reference equaliser does two things; it brings together all he service SPDs by locating themin a single enclosure and provides a ocal earth reference for all the SPD "C" terminals to directly connect he common bonding point, or "star" connection has two external earth reference

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ASPD for protecting power, antenna, telephone and Ethernet ervices with warning lights for protection failure and missing earth connection.

Surge Protection for Serial and Co-Axial Communication Port

All data, control and telephone cables entering and leaving the communications building require protection. The protection must be placed at the protection boundary and the protective earth connected to station earth. The aim is to divert energy at the boundary.

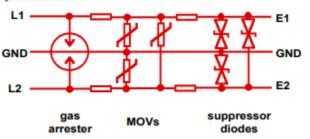
Data circuits require protection dependent upon their operating voltages and currents. Multistage series connected transient barriers should be employed. Figure 21 shows a typical schematic of Surge rating should be 20KA for an 8/20us impulse and the clamping voltage greater than the peak operating voltage.

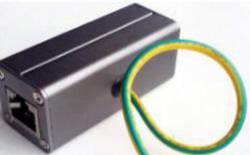
Telephone lines require protection at the MDF. The protection should be multistage, when used with digital solid state telephone switches. Configuration will depend upon the termination method, eg KRONE^{®*}, ADC, Reiche etc. Protect all incoming lines and external extensions. Generally internal extensions require no protection.

LAN systems require specialised protection specific to the LAN configuration. LAN line cards are particularly sensitive to transient overvoltage's and MUST be protected. Specialised protectors are available for the following protocols:

- RS232 in both DB9 and DB25 connector types
- RS485 and RS422 in DIN rail and DB9 configuration
- Thin Ethernet with in line and protected T BNC configuration
- Thick Ethernet with in line N type and DB15 AUI configuration
- RJ45 for UTP with hub protectors and individual terminal protectors

Ensure all LAN type protectors do not inhibit LAN performance. Only choose CAT5 UTP protectors.





As well as the outer conductors of coaxial feeders the inner conductors must also have protection applied to divert energy on the inner conductor to ground. The application of surge protection to UHF and microwave circuits is limited by frequency, return loss and insertion loss considerations. Typical coaxial surge protectors consist of a fast acting gas filled arrester connected between line and ground. Figure 19 shows a typical coaxial surge protector for type N connectors. This is a bulkhead mounting type.



Arrester flashover voltage should equal twice the peak line voltage. Example in a 50 ohm line with 50W transmitter, peak voltage = 70.7V. Minimum recommended gas arrester BV = 140V. Nearest value = 230V. Surge rating should be 20KA for an 8/20us impulse.

Gas filled arresters are unsuitable for high power HF and VHF transmitters (>= 1KW) unless the transmitters incorporate return power shutdown circuitry. A gas filled arrester once fired will remain in the conducting state by the presence of RF energy. This will destroy the arrester unless the transmitter has shutdown circuitry which detects the impedance discontinuity.

Alternatively utilise spark gap arresters with arc detection and shutdown circuitry.

For microwave link equipment an alternative and more effective solution is the quarter wave stub protector. These units must be tuned to the frequency in use but are capable of reasonably large bandwidth. For example a quarter wave stub protector centred on 2.4GHz has a usable bandwidth of +-100MHz. Figure 20 shows a typical unit.



Let's STUDY Jointly reason of Surge and use of Surge Protection including Installation GuideLine with Wiring Rules

UL SPD Types - Per 1449 4th Edition

Type 1- One port. permanently connected SPDs, except for watt- hour meter socket enclosure, intended for installation between the secondary of the service transformer and the line side of the service equpment overcurrent device, as well as the load side, including watt-hour meter socket enclosures and Molded Case SPDs intended to be installed without an external overcurrent protective device. Type 1 SPDs for use in PV systems can be connected between the PV aarry and the main service disconnect.

DIN-RAIL SPDs are open Type 1.

Type 2- Permanently connected SPDs intended for installation on the load side of the service equipment overcurrent device, including SPDs located at the branch panel and Model Case SPDs. Type 3 - Point of utilization SPDs, installed at a minimum conductor length of 10 meters (30 feet) from the electrical service panel to the point of utilization, for example cord connected, direct plug-in receptacle type and SPDs installed at the utilization equipment being protected. See marking in 80.3. The distance (10 meters) is exclusive of conductors provided with or used to attach SPDs.

Note: type 2 and 3 SPDs ware previously known as TVSSs,

Type 4 - Component Assemblies - Component assembly consisting of one or more Type 5 components together with a disconnect (integral or external) or a means of complying with the limited current tests in 44.4.

Type 1, 2, 3 Component Assemblies - Consists of a Type 4 component assembly with internal or external short circuit protection.

Type 5 - Discrete component surge suppressors such as MOVS that may be mounted on a PVVB connected by its leads or provided within an enciosure with mounting means and wiring terminations. V/Uπ----nominal system voltage.

A nominal value assigned to designate a system of a given voltage class in accordance w ANSI CB4,1. Typical voltages include 120 208, 240, 277, 347, 480,6000 Vac.

V --- Voltage Protection RatingA ring selected from a list of preferred values as given inToble 63. 1 of UL 1449 4th Edition and assigned to each mode of protection. The value of V is determined as the nearest highest value taken from Table 63.1 to the measured limiting voltage determined during the surge test using the compination wave generator at a setting of 6 kV, 3kA. It is also known as let-through voltage.

Guide to Surge Protection Devices (SPDs): selection, application and theory

The following common terminologies, as recognised by BS EN 61643/IEC 62305 are used throughout SPD specifications in order to aid correct selection and aredefined as follows:

Nominal Voltage UO is the line voltage to Earth a.c. voltage of the mains system (derived from the nominal system voltage) for which the SPD is designed to is the voltage by which the power system is designated -e g. 230V.

Maximum Continuous Operating Voltage Uc is the maximum RMS voltage that may be continuously applied to the SPD's mode of protection e.g. phase to neutralmode. This is equivalent to the SPD's rated peak voltage.

Temporary Overvoltage UT is the stated test value of momentary voltage increaseor overvoltage that the power SPD must withstand safely for a defined time. Temporary overvoltages, typically lasting up to several seconds, usually

originate from switching operations or wiring faults (for example, sudden load rejection, single phase faults) as well as mains abnormalities such as ferro-resonance effects and harmonics.

Impulse Current Amp is defined by three parameters, a current peak with a chargeand a specific energy typically simulated with the 10/350us waveform to represent partial lightning currents. This waveform is used with peak Imp current value stated. for the mains Type 1 SPD Class I test and typically for data telecom SPD TestCategory D.

Nominal Discharge Current /nspdis a defined nominal peak current value through the SPD, with an 8/20µs current waveshape. This is used for classification of mains SPDs(Class II test) and also for preconditioning of SPDs In Class I and Class II tests.

Maximum Discharge Current /maxis the peak current value through the SPD, with an B/20us waveshape. Imax is

declared for mains Type 2 SPDs in accordance to the test sequence of the Class II operating duty test. In general, max is greater than /nspd.

Surge protective devices (SPDs)Surge protective devices mainly consist of voltage-dependent resistors (varistors, suppressor diodes) and / or spark gaps (discharge paths). Surge protective devices are used to protect other electrical equipment and installations against inadmissibly high surges and / or to establish equipotential bonding. Surge protective devices are categorised:

- Surge protective devices for power supply installations and devices
- for nominal voltage ranges up to 1000 V
- according to EN 61643-11:2012 into type 1 / 2 / 3 SPDs
- according to IEC 61643-11:2011 into class I / II / III SPDs

Surge protective devices for information technology installations and devices

for protecting modern electronic equipment in telecommunications and signalling networks with nominal voltages up to 1000 V AC effective value) and 1500 V DC. against the indirect and direct effects of lightning strikes and other transients.

- according to IEC 61643-21:2009 and EN 61643-21: 2010.
- Isolating spark gaps for earth-termination systems or equipotential bonding
- Surge protective devices for use in photovoltaic systems
- for nominal voltage ranges up to 1500 V
- according to EN 50539-11:2013 into type 1 / 2 SPDs

impulse current discharge capacity and protective effect into:

- Lightning current arresters / coordinated lightning current arresters
- for protecting installations and equipment against interference resulting from direct or nearby lightning strikes
- Surge arresters
- for protecting installations, equipment and terminal devices against remote lightning strikes, switching over-voltages as well as electrostatic discharges (installed at the boundaries downstream .

Combined arresters

for protecting installations, equipment and terminal devices against interference resulting from direct or nearby lightning strikes (installed at the boundaries between LPZ 0A and 1 as well as 0A and 2).

Technical data of surge protective devices

The technical data of surge protective devices include information on their conditions of use according to their:

Application (e.g. installation, mains conditions, temperature)

Performance in case of interference (e.g. impulse current discharge capacity, follow current extinguishing capability, voltage protection level, response time)

Performance during operation (e.g. nominal current, attenuation, insulation resistance)

Performance in case of failure (e.g. backup fuse, disconnector, failsafe, remote signalling option)

Short-circuit withstand capability

The short-circuit withstand capability is the value of the prospective power-frequency short-circuit current handled by the surge protective device when the relevant maximum backup fuse is connected upstream.

Short-circuit rating ISCPV of an SPD in a photovoltaic (PV) system

Maximum uninfluenced short-circuit current which the SPD, alone or in conjunction with its disconnection devices, is able to withstand.

Temporary overvoltage (TOV)

Temporary overvoltage may be present at the surge protective device for a short period of time due to a fault in the high-voltage system. This must be clearly distinguished from a transient caused by a lightning strike or a switching operation, which last no longer than about 1 ms. The amplitude UT and the duration of this temporary overvoltage are specified in EN 61643-11 (200 ms, 5 s or 120 min.) and are individually tested for the relevant SPDs according to the system configuration (TN, TT, etc.). The SPD can either a) reliably fail (TOV safety) or b) be TOV-resistant (TOV withstand), meaning that it is completely operational during and following

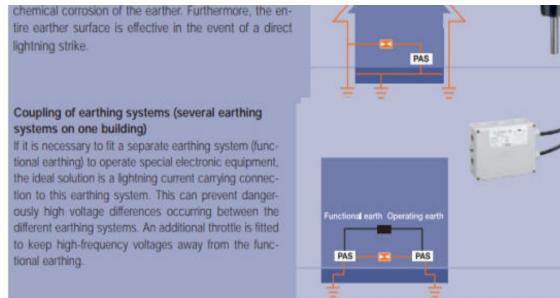
temporary over-voltages.

Sparkgap Protection

Spark gaps are intend to provide galvanic isolation between electrical installation parts where direct connections are not permitted. The galvanic isolation prevents not only electrochemical corrosion but provides also a connection capable of carrying lightning current. For connecting different earthing systems, the aim being to make optimum use of all earthers for lightning protection equipotential bonding.

Earthing Distance Maximum 500mtr allowed for Electrical and 300mtrs allowed for Low Voltage Equipment's.

Shortest Discharge Path , Less Joints No Sharp Bend ,Round Conductor for routing Earthing up to Equipment's, all buried Joint should be Exothermic Weld



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