



Trusted  
& Intelligent



Electrical & Automation

FORMERLY L&T ELECTRICAL AND AUTOMATION



# Ti PANEL

We are Channel  
Partners for LK's  
Ti Panel



**LSPower**

**LS POWER CONTROL PVT. LTD.**

LEADERS IN MANUFACTURING EXCELLENCE

# Benefits

- *Ti solution fulfills every demanding need of **protection, switching, measuring, and monitoring of power distribution** while ensuring the availability of reliable power.*
- *The range is **available in both, aluminum and copper busbars**, providing flexibility of selection to end-users.*
- *The engineered solution not only helps you to utilize your available space effectively but also **minimizes the cost of manufacturing, engineering, assembly and installation.***
- *Expandable as well as Modular in-nature, the solution helps you to **reduce your project cycle time and cost.***



# Specifications

Insulation Characteristics	Standards	IEC 61439 - 1&2	
	Clearance	25mm Ph-Ph	
	Creepage distances	>25mm	
	Overtoltage category	II / III / IV	
	Pollution degree	3	
Electrical characteristics	Voltage rating	Field condition	Inhomogeneous (non-uniform)
		Rated operational voltage ( $U_n$ )	415-690 VAC, 24-22- VDC
		Rated insulation voltage ( $U_i$ )	690 V
		Rated impulse withstand voltage ( $U_{imp}$ )	8 / 12 kV
		Rated frequency ( $f_n$ )	50 / 60 Hz
	Current ratings	<b>Main Horizontal busbars:</b>	
		Rated current ( $I_{nA}$ )	up to 5000A
		Rated peak withstand current ( $I_{pk}$ )	up to 220kA
		Rated short-time withstand current ( $I_{sw}$ )	up to 100kA 1s
		<b>Vertical Distribution busbars:</b>	
		Rated current ( $I_{nA}$ )	up to 3000A
Mechanical Characteristics	Degree of protection	Rated peak withstand current ( $I_{pk}$ )	up to 154kA
		Rated short-time withstand current ( $I_{sw}$ )	up to 70 kA (1s) / 100 kA (1s)*
	Forms of separation	<b>In accordance with IEC 60529:</b>	
		External	IP-43/IP-54/IP-55*
		Internal	IP 2X
		as per IEC 61439-2	up to form 4b type 6
	Dimensions	Height (mm)	1800, 2000, 2200, 2400
		Width (mm)	440, 600, 800, 1000 (ACB section)*
		Depth (mm)	850, 1100, 1400, 1650, 1900 (Outgoing section)*
			440, 600, 900, 1000, 1100 (ACB section)*
Surface Treatment	440, 600 (Outgoing section)*		
	Structure	Powder coated	
	Internal Components	Powder coated	
Resistance to Corrosion	External Components	Powder coated	
	Damp heat cycling test	IEC 60068-2-30	
Plastic Components	Salt mist test	IEC 60068-2-11	
	Flame retardant, self-extinguishing, Halogen-free	IEC 60695-2-10. IEC 60695-2-11	

# Applications

- **SMART CITIES**
- **METROS / RAILWAYS**
- **BUILDINGS, HOTELS**
- **DEFENCE, AIRPORTS**
- **AUTOMOBILE & INDUSTRY**
- **AND OTHERS..**

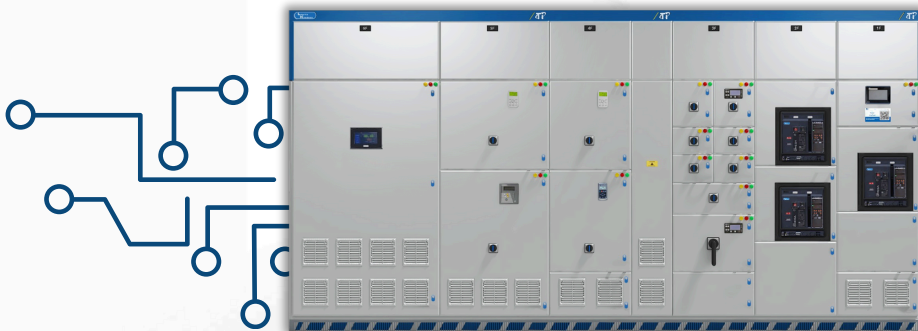




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# Features

- Compliance to latest IEC standard IEC 61439-1&2
- Designed up to **6300A** rating
- Stringent fault withstand capacity up to **100 kA for 1s**
- Double deck busbar system
- Ingress Protection **up to IP54**
- Seismic zone V compliance
- Internal Arc withstand **up to 85kA for 0.5 sec as per IEC 61641**
- Flexibility in busbar & cable entry



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