



## Solar Balance of System Components



Solar DC/AC Cable

Distribution Box



MC4 Connectors



GI Copper Strips & Wires Ferrule + Markers



Lightning Arrester



Earthing Electrode with Mineral



DC & AC Distribution Box



Fire Extinguisher  
Fire Buckets



Source of Complete Solar BoS Components



## Solar DCDB



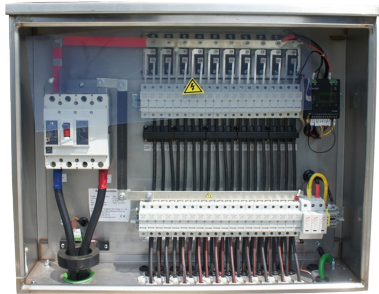
Model	GD5xx	GD10xx
Capacity	1-5KWp	5 to 125KWp
Application	Domestic	Commercial / Industrial
System Type	Grid Tie	Grid Tie
System Voltage	500VDC	1000VDC
No. of MPPT	Upto 2	Upto 6
Compatible with	All Grid Tie Inverter	

## Solar ACDB



Model	GA1Nxx	GA3Nxx
Capacity	1-5KWp	3 - 400 KWp
Application	Domestic	Industrial
Configuration	1 Phase	3 Phase
System Parameter	230 VAC, 50Hz	415 VAC, 50Hz
Earthing Standard	TT, TN	
Compatible with	All Grid Tie Inverter	

## Solar String Combiner Box



Model	OD5xx	OD10xx / OD15xx
Capacity	1 - 100Kvp	25-2500KWp
Application	Domestic / Industrial	Utility
System Type	Off-Grid	Grid Tie
System Voltage	600 VDC	1000 /1500 VDC
No. of MPPT	Upto 2	Upto 8
Compatible with	All Offgrid Hybrid PCU	All Central Inverter

## Solar String Combiner Box- SMU



Model	OD101-Mxx	OD102-Mxx
Capacity	1 - 100KWp	25-2500KWp
Application	Domestic / Industrial	Utility
System Type	Off-Grid	Grid Tie
System Voltage	600 VDC	1000 /1500 VDC
No. of MPPT	Upto 2	Upto 8
Compatible with	All Offgrid Hybrid PCU	All Central Inverter

## Solar Zero Export Panel (RPR)



Application	LV	MV
Capacity	1 - 1000 KWP	113 - 1000 KWP
Configuration	1 ph, 3 ph	3 ph
Suitable Loads	Balanced	Un Balanced
Control	Automatic	Manual On
Notifying Devices	Indicators	Siran - Hooters

## Solar HT Panel



Model	GA11xx	GA33xx
Capacity	112 - 2500KWp	
Application	Industrial	Utility
System Type	Grid Tie	
System Parameter	11000VAC, 50Hz	33000VAC, 50Hz
Earthing Standard	IT	
Compatible with	All Grid Tie	Central Inverter

## Solar Main LT Panel



Model	GA4Nxx	GA8Nxx
Capacity	100-1600KWp	100- 2500KWp
Application	Industrial	Utility
System Type	Grid Tie	
System Parameter	415VAC, 50HZ	800 VAC, 50HZ
Earthing Standard	TT, TN	IT
Configuration	3-Ph, 3/4 wire	3-Ph, 3 Wire

## Solar DG - Grid Synchronisation Panel



Model	GA3NXR
Capacity	15-500KWp
Control	Relay / PLC
Application	Domestic / Industrial
System Parameter	415VAC, 50Hz
Configuration	3-Ph, 3/4Wire
Earthing Standard	TT, TN
Compatible with	All Grid Tie Inverters

## Bus Ducts



System Type	415VAC	690 VAC	800VAC
Housing Type	<input type="checkbox"/> Indoor	<input type="checkbox"/> Outdoor	
Capacity	1000 - 4000 A		
Material	<input type="checkbox"/> Alu	<input type="checkbox"/> Cu	
Usage	Between Inverter	LT Panel to Transformer	
Application	<input type="checkbox"/> Industrial	<input type="checkbox"/> Utility	

## Isolation Transformers



Model	GIT-CU-xx	GIT-AL-xx
Capacity	15-300KVA	
Material	Copper	Aluminium
Configuration	dyn11, 3-Ph	
Type	Natural Air Cooled	
Pry / Scy	Step Down / Step Up	
Application	Commercial / Industrial / Utility	
Compatible with	All Grid Tie Inverters	

## Servo Stabilizer



Model	Servo Air Cooled	Servo Oil Cooled
Capacity	1 KVA - 500 KVA	1 KVA - 500 KVA
System	<input type="checkbox"/> 1ph <input type="checkbox"/> 3 ph	<input type="checkbox"/> 3ph
Input Voltage	<input type="checkbox"/> 295-465 <input type="checkbox"/> 340-480	<input type="checkbox"/> 240-480 <input type="checkbox"/> 340-500

## UPS



Model	Newgen
Capacity	1 KVA - 15 KVA
System Type	1 ph, 230V, 50Hz
Battery Voltage	<input type="checkbox"/> 48 <input type="checkbox"/> 96 <input type="checkbox"/> 120 <input type="checkbox"/> 180 VDC
Application	Utility
Battery Backup	Yes

## Lightening Arrestors



Model	LAC	LAE
Material	Copper & Copper Bonded	SS
Type	Single-Spike / Franklin / Multi-Spike	ESE
Radius	2 to 10 mtrs	Upto 107 mtrs
Capacity	50 KA peak	100 KA peak
GI Mast	<input type="checkbox"/> 1m <input type="checkbox"/> 2m <input type="checkbox"/> 3m <input type="checkbox"/> 4m <input type="checkbox"/> 5m	
Application	<input type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial	

## Earthing Electrode / Pipe



As per IS-3043  
CPRI Certified

Model	RCBxx	PGIxx
Material	Copper Bonded Rod	GI Pipe
Diameter	<input type="checkbox"/> 17.2mm <input type="checkbox"/> 25mm <input type="checkbox"/> 32mm <input type="checkbox"/> 42mm <input type="checkbox"/> 50mm <input type="checkbox"/> 80mm	
Length	<input type="checkbox"/> 1m <input type="checkbox"/> 2m <input type="checkbox"/> 3m	
Coating	<input type="checkbox"/> 120mic <input type="checkbox"/> 150mic <input type="checkbox"/> 250mic	
Fault Current	15kA	20kA
Application	<input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Utility	

## Earthing Minerals



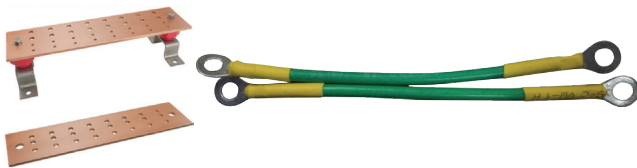
Model	GEC	GEC+	GEC++
Capacity	<input type="checkbox"/> 10kg	<input type="checkbox"/> 15kg	<input type="checkbox"/> 25kg
Mixture	Carbon	Bentomite	Graphite Based
Suitability of Soil	<input type="checkbox"/> Dry <input type="checkbox"/> Moisture	<input type="checkbox"/> Wet	<input type="checkbox"/> Sandy <input type="checkbox"/> Rocky
Purity	100%		
Resistance	<5 ohm		
Application	<input type="checkbox"/> Residential	<input type="checkbox"/> Utility	<input type="checkbox"/> Industrial

## Earthing Conductors



Type	Stripes	Wires
Model	ECS	ECW
Material	<input type="checkbox"/> GI <input type="checkbox"/> CU <input type="checkbox"/> AL <input type="checkbox"/> CBR	<input type="checkbox"/> CU <input type="checkbox"/> AL
Size	20 to 50 mm	2.5 to 70 Sqmm
Thickness	<input type="checkbox"/> 3mm <input type="checkbox"/> 6mm	<input type="checkbox"/> Nil
Insulation	<input type="checkbox"/> Insulated <input type="checkbox"/> Non-Insulated	<input type="checkbox"/> PVC <input type="checkbox"/> Enameled

## Interconnection Cables | Bus Bar



Model	EJB	EJW
Type	Bus Bar	Wire
Material	<input type="checkbox"/> Cu <input type="checkbox"/> CBR	<input type="checkbox"/> Copper
Insulation	<input type="checkbox"/> Insulated Base	<input type="checkbox"/> FRLS <input type="checkbox"/> FR
Thickness	<input type="checkbox"/> 3mm <input type="checkbox"/> 6mm <input type="checkbox"/> 10mm	2.5 to 10 sq mm
Application	To interconnect all Body Earthing	Panel to Panel Earthing

## Earth Pit Chambers



Material	FRP	MS
Shape	Square Round	Rectangular
Surface Finish	Polished	Powder Coated
Size	180 - 300 mm	
Opening for	<input type="checkbox"/> Strips	<input type="checkbox"/> Wire
Loading Capacity	<input type="checkbox"/> 3 Tonnes	<input type="checkbox"/> 5 Tonnes

## Earth Insulators & Cable Termination Kit



Sytem Type	LV	MV
Voltage	Upto 800 VAC	<input type="checkbox"/> 6.6 <input type="checkbox"/> 15 <input type="checkbox"/> 36
Size	6-500Sqmm	16-500Sqmm
Usage	<input type="checkbox"/> Indoor	<input type="checkbox"/> Outdoor
Material	<input type="checkbox"/> Copper	<input type="checkbox"/> Aluminium
Termination Type	<input type="checkbox"/> End	<input type="checkbox"/> Straight Joints

## Solar DC Cable, Flexible Copper



Type	Flexible, Multistrand
Size	2.5 to 6 Sq.mm
Material	Tinned Copper
Application	Outdoor, UV Resistant
Insulation	XLPO, Double Insulated
Temperature	<input type="checkbox"/> 90°C <input type="checkbox"/> 120°C
Core	<input type="checkbox"/> 1C <input type="checkbox"/> 2C

## Flexible Copper Cables



Type	Flexible, Multistrand
Size	0.5 to 70 Sq.mm
Material	Annealed Copper
Application	Domestic / Industrial
Insulation	<input type="checkbox"/> PVC <input type="checkbox"/> FR <input type="checkbox"/> FRLS
Core	<input type="checkbox"/> 1C <input type="checkbox"/> 2C <input type="checkbox"/> 3C <input type="checkbox"/> 4C <input type="checkbox"/> 5C

## Copper / Aluminium Armoured Cables



Type	Armoured, Multistrand
Size	6 to 400 Sq.mm
Material	Annealed Copper   Aluminium
Core	<input type="checkbox"/> 3C <input type="checkbox"/> 3.5C <input type="checkbox"/> 4C
Insulation	<input type="checkbox"/> PVC <input type="checkbox"/> XLPE <input type="checkbox"/> XLPO
Application	Commercial / Industrial / Utility
Insulation Voltage	1.1 KV

## Weather Monitoring Systems



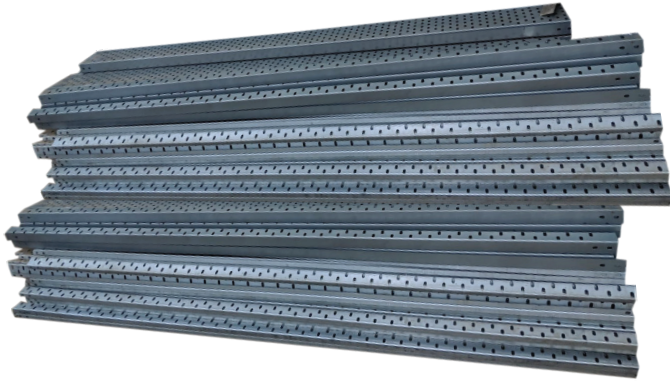
Modem	Wi-fi	GPRS	LAN
Solar Radiation Sensor	Si Photodiode, Accu ± 5%, Range 0-1800 W/m <sup>2</sup>		
Temp Sensor	0-100° C, Accu ± 0.5° C, UV		
Wind Speed Sensor	3 Cups, Range 0-250Kmph		
Application Software	<input type="checkbox"/> SCADA	<input type="checkbox"/> Web Monitoring	
Communicates with	Inverter, SCB, Meters, Transformers		

## Solar Module Mounting Structure



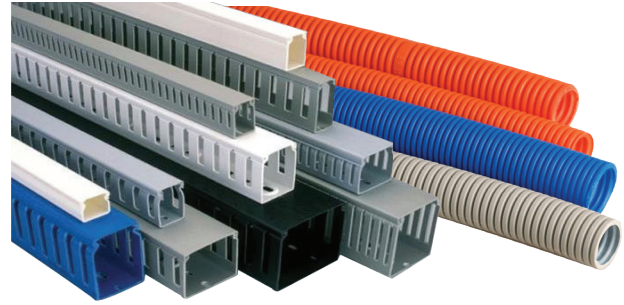
Mounting Type	Ground	Sheet Roof
Material	<input type="checkbox"/> GI <input type="checkbox"/> Hot-dipped	<input type="checkbox"/> GI <input type="checkbox"/> ALU
Wind Speed	160 Kms / hour	
Module Fixing	SS Bolts / Nuts	ALU Clamps
Application	Industrial / Utility / Domestic	
Surface Finish	<input type="checkbox"/> Powder Coated	<input type="checkbox"/> Hot-dipped
Suitable	For all Kinds of Solar Modules	

## Cable Trays & Fasteners



Type	Perforated	Ladder
Material	GI / Hot-Dip Galvanised	Hot-Dip Galvanised
Width	Upto 400mm	Upto 600mm
Height	Upto 75mm	Upto 100mm
Application	Industrial / Utility / Domestic	

## Cable Ducts & Hose



Type	U Lock	V Lock
Material	PLC	FRLS
Width	Upto 150mm	
Length	□ 1m □ 2m	
Application	Domestic	Industrial
Slotted	Thin / Normal	Thin / Normal
Hose Dia	12-50mm	

## Cable Ties | Tag | Ferrules | Sleeves



Material	□ Polyamide □ Nylon □ PVC
Ties Length	□ 100 □ 150 □ 200 □ 250 □ 300 □ 350
Tag Size	2.5 to 400 Sqmm
Ferrules	Alpha-numeric-0.5 to 25 Sqmm
Sleeves	Heat shrinkable with different colour
Protection	□ UV
Application	□ Indoor □ Outdoor

## Solar Connectors



Type	Field / Panel	Branch Connector
Material	Polyamide	
Terminals	Tinned Copper	
Application	PV, Outdoor	
Protection	IP68	IP65
Size	4-6Sq.mm	
Compatible with	MC3, MC3, Sunclix, Amphenol	

## Cable Glands | Terminal Lugs



Material	Copper	Aluminium
Type	Pin / Ring	Ring
Size	0.5 to 150Sq.mm	6-400Sq.mm
Ring Dia	6-16mm	
Grade	ETP	
Coating	Tinned	EC
Application	Domestic / Industrial / Utility	
Purity	99.9%	

## Route Marker | Trench Marking Tape | Duct Sealant



Route Marker	Metal	Anti Corrosive
Marking Tape	PVC with adhesive	
Tape Size	□ 75mm □ 100mm □ 150mm	
Duct Sealant	Fire Resistant	Sinthetic-Latex
Sealant Cure Time	24 to 72 Hrs	
Application	□ LV	□ MV □ DC

## Mesh Guards



Material	MS	SS
Type	Welded	Wired
Thickness	<input type="checkbox"/> 2.0 <input type="checkbox"/> 2.50 <input type="checkbox"/> 3.0 <input type="checkbox"/> 4.0	
Housing	<input type="checkbox"/> Indoor <input type="checkbox"/> Wall Mounting	
Protection for	Inverters & DBs	
Surface Finish	Powder Coated	

## Video Surveillance Systems



Camera	Analog	Network	Special
Storage Device		DVR	NVR
Display Device		LED	LCD
Housing		Indoor	Outdoor
Mobile App		Available	
Camera Type	Dome	Bullet	PTZ Professional

## Fire Alarm Systems



Panel Type	Conventional	Addressable
Protection Type	2/4/6/8/16	Single / Multiloop
Manual Activation Devices	Call Point	Pull Station
Notification Devices	Sounder	Response Indicator
Networking Devices	TCP / IP	Modbus
Application	Industrial	Utility
System Type	Indoor	Indoor

## Fire Extinguisher / Fire Buckets

IS Code: 15683



Type	ABC Dry / Water CO <sub>2</sub> / CO <sub>2</sub> Dry Chemical
Capacity	1 / 2 / 3 / 4 / 4.5 / 6 / 9 Kgs
Effective Discharge	95%
Operating Position	Up right
Fire Class	A / B / C
Application	Commercial / Industrial / Utility

## Walkway



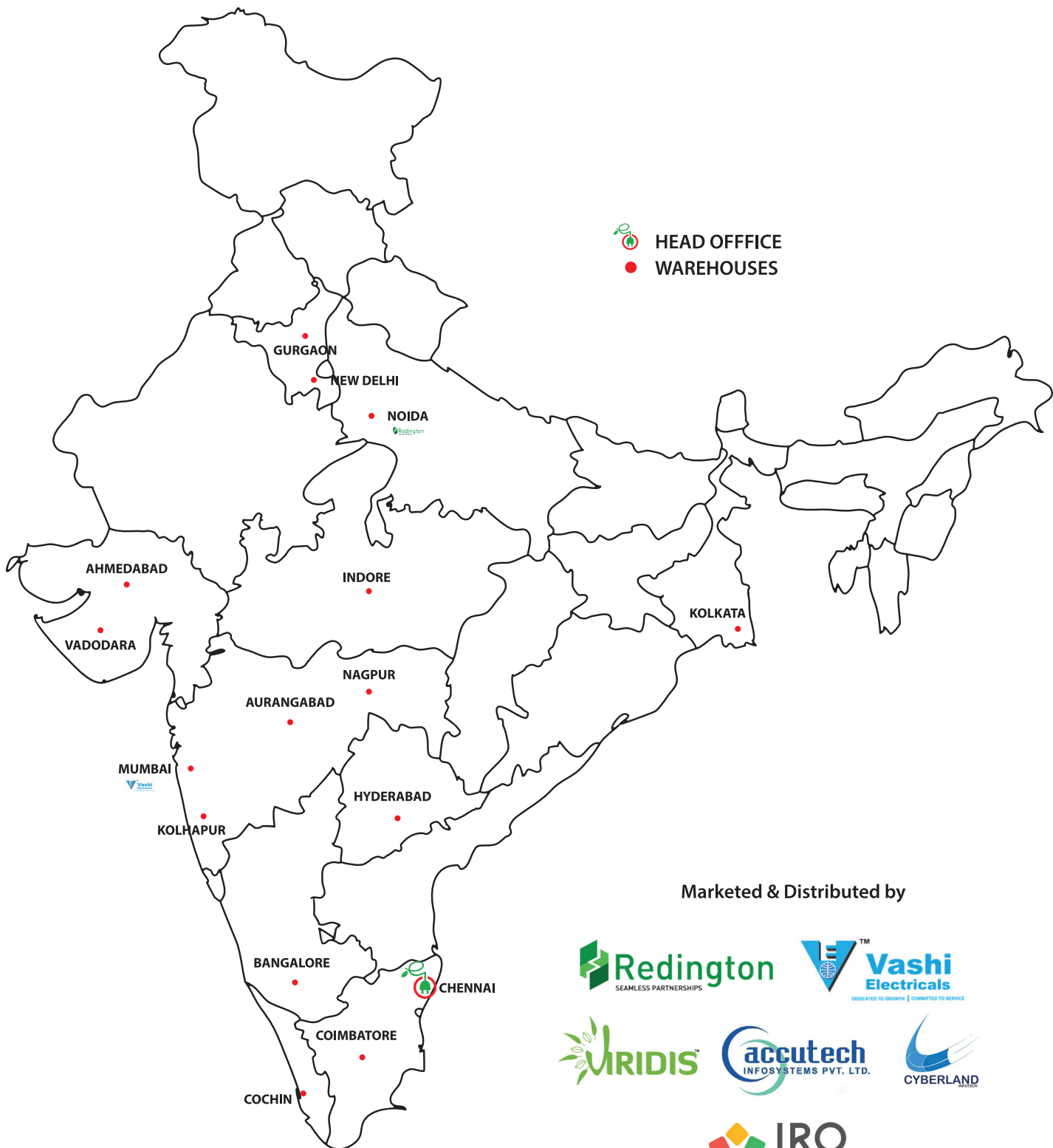
Material	GI	FRP	GRP
Fixing	<input type="checkbox"/> Penetrative <input type="checkbox"/> Non-Penetrative		
Frame Material	<input type="checkbox"/> GI <input type="checkbox"/> ALU		
Surface Finish	<input type="checkbox"/> Hot-dipped <input type="checkbox"/> Polished <input type="checkbox"/> Powder Coated		
Handrails	<input type="checkbox"/> Square <input type="checkbox"/> Round		
Construction	<input type="checkbox"/> Checkered Plate <input type="checkbox"/> Moulded <input type="checkbox"/> Protruded		

## Module Cleaning Systems



Pump	Monoblock	Jet	Sub-mersible
Booster Pump	Pressure Booster		
Controlled by	<input type="checkbox"/> Booster <input type="checkbox"/> Pump <input type="checkbox"/> Controller		
Valves	<input type="checkbox"/> Automatic <input type="checkbox"/> Manual		
Brushes	<input type="checkbox"/> 27 cm <input type="checkbox"/> 40 cm		
Length	<input type="checkbox"/> 6 m <input type="checkbox"/> 9 m <input type="checkbox"/> 10 m		

# PAN INDIA delivery within 3 to 4 working days



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