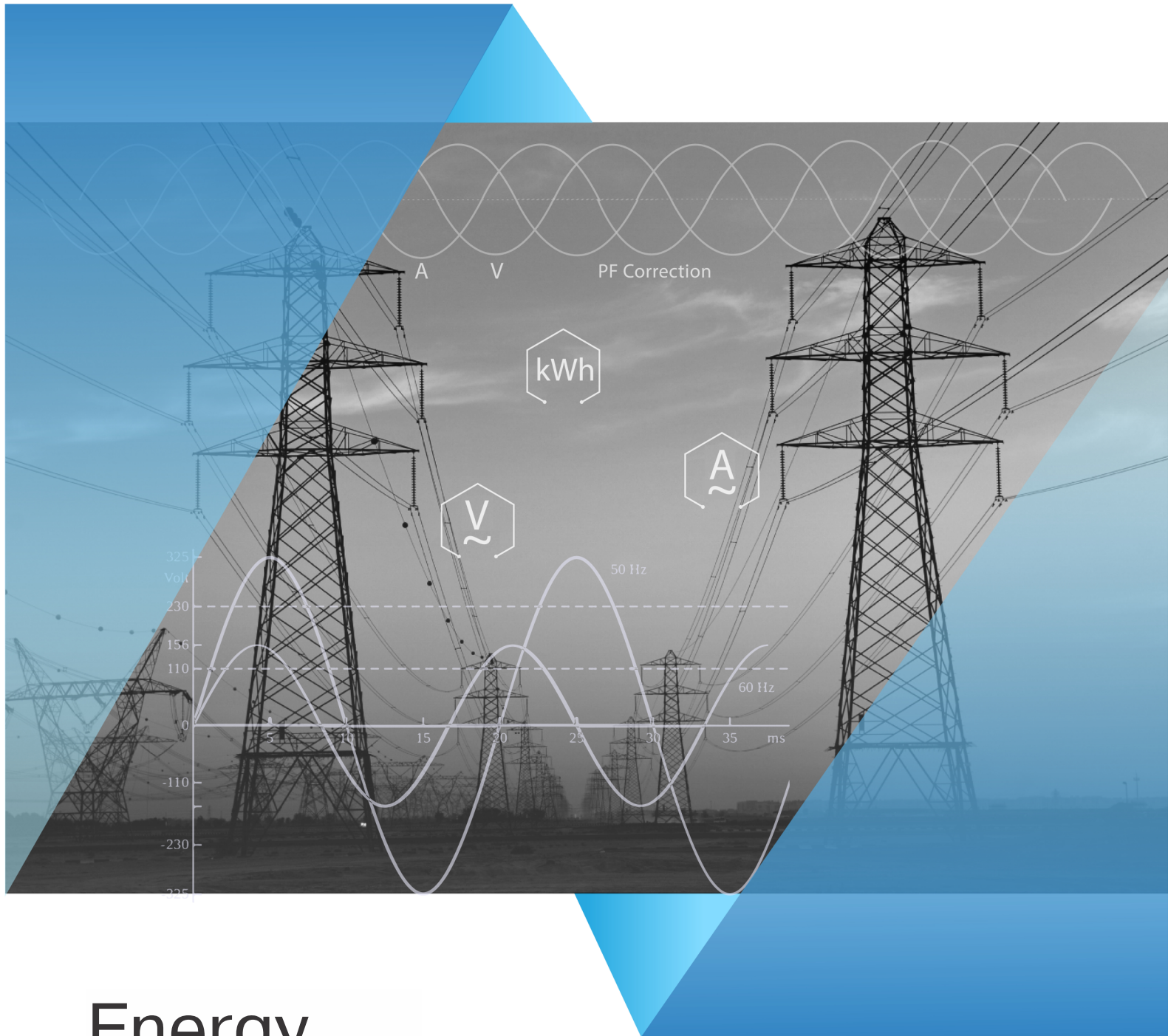
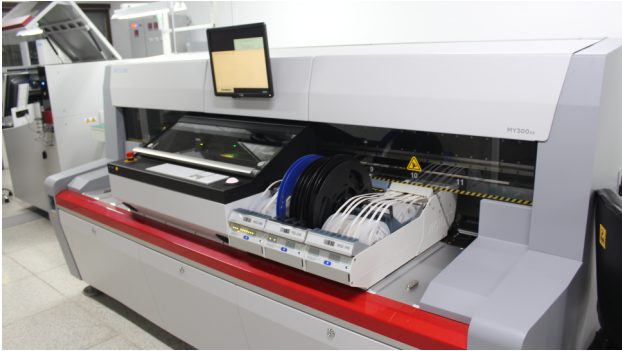




Energy Product Catalog

- ◆ Power & Energy Meters
- ◆ Panel Meters
- ◆ Protection Relays
- ◆ Transducers



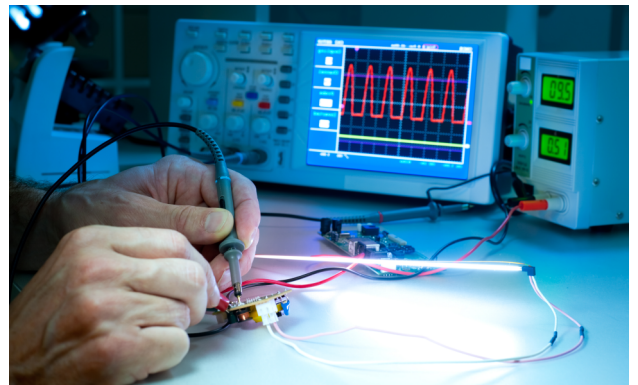
Electronic Assembly
Fully Integrated SMT Line



Plastic Enclosure Manufacturing
In-house Injection Moulding



Testing & Quality Control



Reliability Laboratory



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PROTECTION RELAY

AUTOMATIC POWER FACTOR CONTROLLER

Intelligent PF Correction Relay



Graphical LCD Display

6 / 8 / 12 / 14 / 16 Steps

Model	APFC 96-L6	APFC 9606	APFC 108	APFC 112
Dimension (HxWxD)mm	96 x 96 x 54	96 x 96 x 54	144 x 144 x 70	144 x 144 x 70
Panel Cutout mm	92 x 92	92 x 92	137 x 137	137 x 137
INPUT				
Current	50mA to 5Amp AC (Without CT) (CT Ratio Selectable 5/5A to 9995/5A) For Main CT & Capacitor CT			0.01 to 5Amp AC (Without CT) (CT Ratio Selectable 5/5A AC to 9999/5A) For Main CT & Capacitor CT
Controlling PF Range	+0.80 (Lag) To -0.80 (Lead)			+1.000 (Lag) To -1.000 (Lead)
Min. Operation Current	1% to 10% of Primary CT in PF & KVAR Mode (User Select.) Factory Set 3% of Primary CT in all Controlling Mode			Selectable Range 1mA to 500mA (By Default 30mA)
Input Voltage	30 to 290V AC (P-N) CAT III			300 to 520V AC (P-P) CAT III
SENSING	Single CT Based Sensing True RMS, Scan Time 1Sec. to 999 Sec.			Scan Time 1 Sec. to 999.9 Sec.
OUTPUT	NO-C 6 Relay for Capacitor Bank			NO-C 12 Relay for capacitor bank + 1 Alarm Relay 1 Fan Relay
USER PROGRAMM. FUNCTIONS	Set PF, Relay Switch ON Time, Control Modes, Mains Primary CT Ratio, Relay Steps to be used, Capacitor Primary CT Ratio (To be used if actual capacitor value is to be measured at any given time)			Main CT Ratio, Capacitor CT Ratio, Minimum Operating Current, Scan Time, Programmable KVAR Hysteresis, Capacitor bank sensing method
Control Mode	Auto Manual, KVAR (Set capacitor bank value), Rotational			KVAR/ Intel/ Manual
Accuracy	Class 1.0 as per IEC 62053-22			Class 0.5
Supply	230V AC $\pm$ 20% Supply, 50Hz			300 to 520V AC (P-P) CAT III

PROTECTION RELAY

EARTH LEAKAGE RELAY & EARTH TO NEUTRAL VOLTAGE



Model	ELR-19N	ELR-63	EFR-63
Dimension (HxWxD)mm	96 x 96 x 54	76 x 28 x 85	76 x 28 x 85
Panel Cutout mm	92 x 92	Din Rail Mounting	Din Rail Mounting
INPUT	Input Signal	30mA to 3Amp AC Thru. External CBCT	30mA to 3.00A AC Thru. External CBCT
	Range	30mA to 3.00A AC	30mA to 3.00A AC
OUTPUT		1 Relay (NO-C-NC) 5A, 230V AC Resistive Load	1 Relay (5A, 230V AC Resistive Load) Earth Fault Current
	Accuracy	Class 0.5	Class 0.5
	Supply	100 to 270V AC, 50/60Hz	100 to 270V AC, 50/60Hz
	Note	RS-485 Modbus is available in ELR-19N as per request, CBCT available as per required inner diameter	



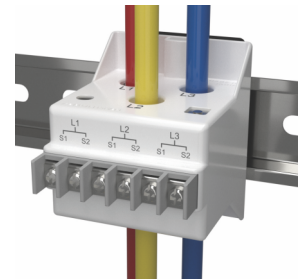
Model	CC-12
Dimension (HxWxD)mm	96 x 96 x 43
Panel Cutout mm	92 x 92
INPUT	Current
	5A AC Direct (CT Ratio Selectable 5/5A to 1600/5A)
OUTPUT	1 Relay (NO-C-NC) 5A, 230V AC (Resistive Load)
	Tripping Facility
	High/ Low/ Inband/ Absolute Low/ Absolute Outband Alarm (Configurable)
	Accuracy
	Class 0.5
	Power Supply
	100 to 270V AC, 50/60Hz, Approx 4VA
	Note
	RS-485 Modbus is available on request

PROTECTION RELAY

PROTECTION DEVICE - 3 PHASE



DINRAIL MOUNT



Model	MPD-192			MPD-152		
Dimension (HxWxD)mm	96 x 96 x 54			75 x 55 x 110		
Panel Cutout mm	92 x 92			Din Rail Mounting		
INPUT	Signal	3Ø4 Wire / 3Ø3 Wire				
	Voltage	50 - 520V AC (L-L), 30 - 300V AC (L-N)				
	Current	60mA to 5A (CT Selection 5A - 6000A AC) (Additional Leakage Current Measurement thru CBCT in MPD-19EL)				
OUTPUT	1st Relay (NO-C-NC) 10A, 230V AC (Resistive Load)			1 Relay (NO-C-NC) 10A, 230V AC (Resistive Load)		
	2nd Relay (NO-C) 5A (With Simultaneous Actuation)					
PARAMETER	Over Current	Under Current	Short Circuit	Lock Rotor Point	Earth Leakage (in MPD-19EL)	
	Over Voltage	Under Voltage	Phase Sequence	Unbalance		
	Over Frequency	Under Frequency	Phase Loss	Neutral Loss		
Accuracy	Class 0.5					
Supply	100 to 270V AC (SMPS), 50/60Hz					
Note	MPD-192 is also available in 415V AC ±10%, 50Hz Power Supply (ON Request), RS-485 Modbus Communication (Optional) in MPD-19EL-M1 Earth Leakage Features are Available (Optional) in MPD-19EL, CBCT Available As per Required inner Diameter Extrernal CT 30A, 60A, 100A Available As per Request					

VOLTAGE MONITORING RELAY



Model	VMR-13	VMR-23	EN-19N
Dimension (HxWxD)mm	96 x 96 x 43	72 x 72 x 45	96 x 96 x 54
Panel Cutout mm	92 x 92	68 x 68	92 x 92
INPUT	Voltage	50 to 520V AC (L-L), 30 to 300V AC (L-N)	
OUTPUT	1st Relay 5A, 230V AC (Resistive Load) 2nd Relay (Optional)		1st Relay 10A, 230V AC (Resistive Load)
PARAMETER	Over Voltage	Over Frequency	Asymmetry & Neutral Loss
	Under Voltage	Under Frequency	Phase Sequence
Supply	230V AC $\pm 20\%$, 50Hz		100 to 270V AC, 50/60Hz
Note	RS-485 Modbus Available in EN-19N As per request		

PROTECTION RELAY

THREE PHASE VOLTAGE & CURRENT PROTECTION RELAY



Model	VPR-126	VPR-3P	CPR-126 (3 CT)	CPR-126-1C (1 CT)
Dimension (HxWxD)mm	75 x 75 x 110	75 x 75 x 110	75 x 75 x 110	75 x 75 x 110
Mounting	Din Rail Mounting			
INPUT	Signal	3Ø4 Wire / 3Ø3 Wire	3Ø3 Wire	1Ø2 Wire
	Voltage	30 to 300V AC (L-N), 50 to 520V AC (L-L)		
	Current		0.1 to 5Amp (CT Selection 5/5 To 999/5 A AC)	
OUTPUT	1st Relay (NO-C-NC) 2nd Relay (NO-C-NC) (Optional)	1st Relay (NO-C-NC) 2nd Relay (NO-C-NC)	1 Relay (NO-C-NC)	
PARAMETER	Over Voltage Under Voltage Over Frequency Under Frequency Phase Loss Phase Sequence Asymmetry & Neutral Loss	Over Voltage Under Voltage Over Frequency Under Frequency Phase Loss Phase Sequence Asymmetry	Over Current Under Current Asymmetry Single Phase Preventer (SPP)	Over Current Under Current
Accuracy	Class 1.0	Class 1.0	Class 1.0	Class 1.0
Supply	100 to 270V AC (SMPS)	No Power Supply to be given Separately	100 to 270V AC (SMPS)	100 to 270V AC (SMPS)
Note	External CT 30A,60A,100A Available with CPR-126 & CPR-126-1C As per Request			

ENERGY

MULTIFUNCTION METER



Model		AVH-14	MFM-13
Dimension (HxWxD)mm		96 x 96 x 54	96 x 96 x 54
Panel Cutout mm		92 x 92	92 x 92
INPUT	Signal	3Ø4 Wire / 3Ø3 Wire / 1Ø2 Wire	
	Voltage	Primary : 100V to 520kv (Programmable), Secondary : 100V to 520V (L-L) (Programmable)	
	Current	Current : 5A to 6000A (Programmable), Secondary : 5A/1A (Programmable)	
PARAMETER	KW Total	0.000 - 9999 KW	
	KW Per Phase	0.000 - 9999 KW	
	WH Total	000.000 - 999999 MWH	
	Power Factor Average (PF)	0.100 - 1.000	
	Power Factor Per Phase (PF)	0.100 - 1.000	
	KVA Total	0.000 - 9999 KVA	
	VAH Total	000.000 - 999999 MVAH	
	Frequency (Hz)	45 - 60Hz	
	KVAr Total	0.000 - 9999 KVAr	
	Varh Total	000.000 - 999999 MVarh	
	Load Hours	9999.59 Hrs/Min.	
	NO Load Hours	9999.59 Hrs/Min.	
	RPM	3600 RPM @ 60Hz & 2 Pole	
COMMUNICATION		RS-485 Modbus (Optional) Pulse Output	
Accuracy		For Voltage & Current Class 0.5 / For Power & Energy Class 1.0	
Supply		100 to 270V AC , 50/60Hz, Approx 4VA	

ENERGY

3 PHASE ENERGY & POWER METER



Model	EPM-14	EM-10	EM-1P	
Dimension (HxWxD)mm	96 x 96 x 54	96 x 96 x 43	96 x 96 x 43	
Panel Cutout mm	92 x 92	92 x 92	92 x 92	
INPUT	Signal	3Ø4Wire		1Ø2 Wire
	Voltage	30 to 300V AC (L-N) / 50 to 520V AC (L-L)		30 to 300V AC (L-N)
	Current	5/5 to 6000/5A AC CT Ratio Selectable		5/5 to 4000/5A AC
Measuring Range	Reset	KWH Reset by front key	By front keypad	Reset by front key
		0.000 to 9999 KW (Active Power) 0 to 99999999 KWH (Active Energy)	0 to 999999 KWH (Active Energy)	0 to 99999.9 KWH (Active Energy)
	Accuracy	Class 1.0	Class 0.5	Class 0.5
	Supply	100 to 270V AC,50/60Hz	230V AC ±20%,50Hz	230V AC ±20%,50Hz
	Note	RS-485 Modbus & 2 Relay Available in EPM-14 As per request		

3 PHASE AND 1 PHASE PANEL METER VAF METER



Model	AVF-29T	AVF-19D	AVF-133	
Dimension (HxWxD)mm	72 x 72 x 45	96 x 96 x 43	96 x 96 x 54	
Panel Cutout mm	68 x 68	92 x 92	92 x 92	
INPUT	Signal	3Ø4Wire / 3Ø3 Wire / 1Ø2 Wire		3Ø4Wire / 3Ø3 Wire / 1Ø2 Wire
	Voltage	Primary PT : 100V to 520KV Secondary PT : 50 to 520V AC (L-L)	30 to 300V AC (L-N) 50 to 520V AC (L-L)	30 to 300V AC (L-N) 50 to 520V AC (L-L)
	Current	Primary CT : 9999A Secondary CT : 5A/1A	Primary CT : 9999A Secondary CT : 5A	Primary CT : 9999A Secondary CT : 5A
PARAMETER	Voltage (L-L) Voltage (L-N) Average Current (L1,L2 & L3) Line Current (L1,L2 & L3) Phase Sequence	Average Voltage (L-N) Average Voltage (L-L) Frequency Load Hour / No Load Hour RPM	Voltage (L-L) Voltage (L-N) Average Current (L1,L2 & L3) Line Current (L1,L2 & L3) Phase Sequence	Average Voltage (L-N) Average Voltage (L-L) Frequency Load Hour RPM
	Accuracy	Class 0.5	Class 0.5	Class 0.5
Supply	100 to 270V AC,50/60Hz	230V AC ±20%,50Hz	100 to 270V AC, 50/60Hz	

ENERGY

3 PHASE AMPERE METER



Model	AMP-19	AMP-13	AMP-23
Dimension (HxWxD)mm	96 x 96 x 43	96 x 96 x 43	72 x 72 x 45
Panel Cutout mm	92 x 92	92 x 92	68 x 68
INPUT	Current	0.5A to 5A Primary : 5A to 6000A AC CT Selection Secondary : 5A	0.5A to 5A Primary : 5A to 6000A AC CT Selection Secondary : 5A
	Accuracy	Class 0.5	Class 0.5
	Supply	230V AC $\pm 20\%$, 50Hz	100 to 270V AC, 50/60Hz
	Note	RS-485 Modbus is available in AMP-13	

3 PHASE VOLT METER



Model	VOLT-19	VOLT-13	VOLT-23
Dimension (HxWxD)mm	96 x 96 x 43	96 x 96 x 43	72 x 72 x 36
Panel Cutout mm	92 x 92	92 x 92	68 x 68
INPUT	Voltage	50 to 520V AC (L-L) 50 to 520V AC (L-L), 30 to 300V AC (L-N) Primary : 100 to 999KV (L-L) (Selectable) Secondary : 100 to 520V AC (L-L) (Selectable)	50 to 520V AC (L-L), 30 to 300V AC (L-N) Primary : 100 to 999KV (L-L) (Selectable) Secondary : 100 to 520V AC (L-L) (Selectable)
	Accuracy	Class 0.5	Class 0.5
	Supply	100 to 270V AC, 50/60Hz	100 to 270V AC, 50/60Hz

ENERGY

SINGLE PHASE AC PANEL METER

VOLT / AMP METER



Model	AV-14/11V	AV-24/21V	AV-34/31V	AV-41CT/41A/41V
Dimension (HxWxD)mm	96 x 96 x 40	72 x 72 x 36	48 x 96 x 26	48 x 48 x 46
Panel Cutout mm	92 x 92	68 x 68	46 x 92	45 x 45
INPUT	Ampere (AC)	5A AC Direct		
	CT Ratio	Primary : 5/5A to 4000/5A AC		
	Voltage (AC)	10 to 500V AC		
	Accuracy	Class 0.5		
	Supply	230V AC ±20%,50Hz		
	Note	30A Direct CT Available at back side (AV-11A, AV-21A, AV-31A, AV-41A)		

SINGLE PHASE AC PANEL METER

VOLT + AMP METER



Model	AV-12	AV-22	AV-33	AV-44
Dimension (HxWxD)mm	96 x 96 x 43	72 x 72 x 60	48 x 96 x 66	48 x 48 x 66
Panel Cutout mm	92 x 92	68 x 68	46 x 92	45 x 45
INPUT	Current	Primary : 5/5A to 2000/5A AC		30.0A AC Direct
	Voltage	10 to 500V AC		30 to 500V AC
	Accuracy	Class 0.5		Class 0.5
	Supply	230V AC $\pm 20\%$, 50Hz		100 to 270V AC, 50/60Hz
	Note	30A Direct CT Available at back side		

ENERGY

DC PANEL METER

VOLT / AMP METER



Model	AV-14DA/14DV	AV-24DA/24DV	AV-34DA/34DV	AV-41DV
Dimension (HxWxD)mm	96 x 96 x 40	72 x 72 x 60	48 x 96 x 66	48 x 48 x 70
Panel Cutout mm	92 x 92	68 x 68	46 x 92	45 x 45
INPUT	Ampere (DC)	0 to 9999 Ampere DC Through 75mV DC External Shunt		
	Voltage (DC)	19.99V DC / 49.99V DC / 99.99V DC / 199.9V DC / 750V DC (Factory Set)		
	Accuracy	±1% of Full Range 1± Count		
	Supply	230V AC ±20%, 50Hz		
	Note	0 to 5A DC / 10A DC / 20A DC Direct Through Shunt is Available in Model AV-14DZ, 24DZ, 34DZ		

SINGLE PHASE AC PANEL METER



Model	PF-11/PF-13	WM-11	FRQ-11
Dimension (HxWxD)mm	96 x 96 x 54	96 x 96 x 43	96 x 96 x 40
Panel Cutout mm	92 x 92	92 x 92	92 x 92
INPUT	Signal	1Ø2 Wire	1Ø2 Wire
	Voltage	20 to 300V / 50 to 520V	300V AC (L-N)
	Current	5A AC	
	CT Selection	0.5 to 5Amp (CT Selection 5 - 50A)	
	Secondary Function	5A	
	Measuring Range	0 to 15 Kilo Watt	50.0Hz
	Accuracy	Class 0.5	Class 0.5
	Supply	100 to 270V AC, 50/60Hz	230V AC ±20%, 50Hz
	Note	Also Available in 199.9 Watt Range 1 Relay on KW is Available in WM-11	

ENERGY

DC PANEL METER

VOLT / AMP METER



Model	MFM-14DC	
Dimension (HxWxD)mm	96 x 96 x 54	
Panel Cutout mm	92 x 92	
INPUT	Ampere (DC)	0 to 9999A DC Through 75mV DC External Shunt
	Voltage (DC)	0 to 1000V DC
	Watt (DC)	0000 to 9999 KW DC
Accuracy	±1% of Full Range ±1 Count	
Power Supply	100 to 270V AC, 50/60Hz	
Note	RS-485 Modbus & 2 Relay available on request	

Coming Soon



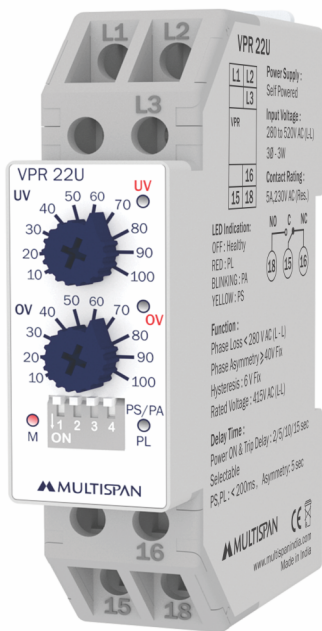
Coming Soon



Model	DC-14	DC-24	VAW-34DC
Dimension (HxWxD)mm	96 x 96 x 54	72 x 72 x 45	48 x 96 x 26
Panel Cutout mm	92 x 92	68 x 68	46 x 92
INPUT	Ampere (DC)	0 to 9999A DC Through 75mV DC External Shunt	
	Voltage (DC)	0 to 1000V DC	
	Watt (DC)	0000 to 9999 KW DC	
Accuracy	±1% of Full Range ±1 Count		
Power Supply	100 to 270V AC, 50/60Hz		

DIN RAIL PROTECTION RELAY VOLTAGE & CURRENT

DINRAIL
MOUNT



Model

VPR-22U

Dimension (HxWxD)mm

Voltage Protection Relay

90 x 22.5 x 72

Mounting

Din Rail Mounting

INPUT

Input Voltage : 280 to 520V AC (L-L),
3Ø3 Wire

OUTPUT

1 Relay, 5A, 230V AC (Resistive Load)

**TRIPPING
PARAMETER**

Under Voltage
Over Voltage
Phase Asymmetry
Phase Sequence
Phase Loss

POWER SUPPLY

NO Power Supply to be given separately

Note

Power ON Delay Time & Trip Delay Time by using DIP switch

Model

SPP-22

Single Phase Preventor

Dimension (HxWxD)mm

90 x 22.5 x 66.5

Mounting

Din Rail Mounting

INPUT

Input Voltage : 280 to 520V AC (L-L),
3Ø3 Wire

OUTPUT

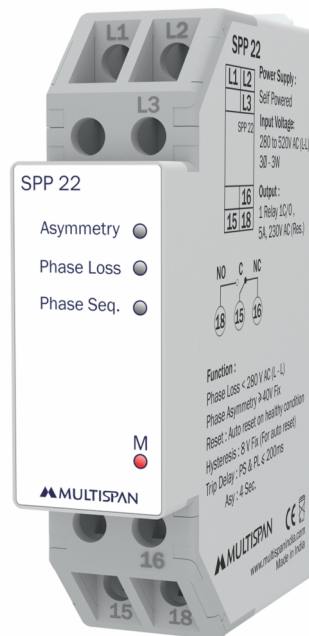
1 Relay 5A, 230V AC (Resistive Load)

**TRIPPING
PARAMETER**

Phase Asymmetry
Phase Sequence
Phase Loss

POWER SUPPLY

NO Power Supply to be given separately



Model

CPR-22

Current Protection Relay

Dimension (HxWxD)mm

90 x 22.5 x 72

Mounting

Din Rail Mounting

INPUT

Input Current : 300mA to 5A AC

OUTPUT

1 Relay 5A, 230V AC (Resistive Load)

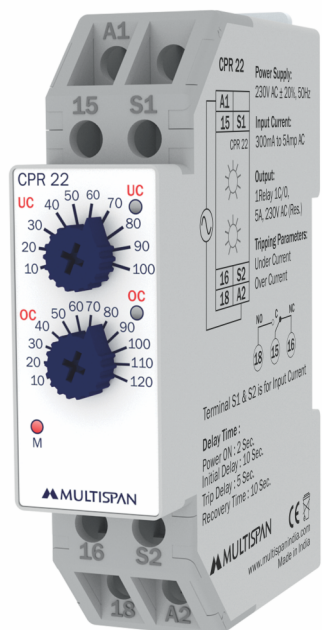
**TRIPPING
PARAMETER**

Under Current
Over Current

POWER SUPPLY

230V AC $\pm 20\%$, 50Hz

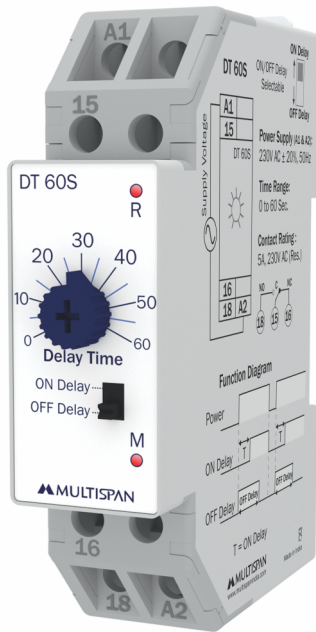
1CT



DIN RAIL ANALOG TIMER

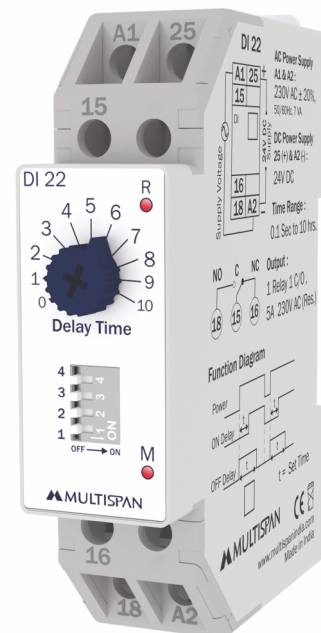
22 TIMER SERIES

DINRAIL
MOUNT

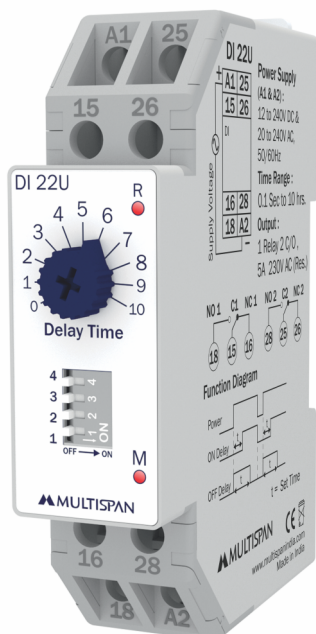


Model	DT Series
Dimension (HxWxD)mm	90 x 22.5 x 72
Mounting	Din Rail Mounting
INPUT	Range 0 to 10 Sec (For DT-10S) 0 to 30 Sec (For DT-30S) 0 to 60 Sec (For DT-60S) 0 to 30 Min (For DT-30M)
OUTPUT	1 Relay 1C/O, 5A 230V AC (Resistive Load)
POWER SUPPLY	230V AC $\pm 20\%$, 50Hz / 24V DC / 415V AC (Factory Set)

Model	DI-22
Dimension (HxWxD)mm	90 x 22.5 x 72
Mounting	Din Rail Mounting
INPUT	Range 0.1 Sec to 10 Sec / Min / Hour
OUTPUT	1 Relay 1C/O 5A, 230V AC (Resistive Load)
POWER SUPPLY	230V AC $\pm 20\%$, 50Hz & 24V AC/DC



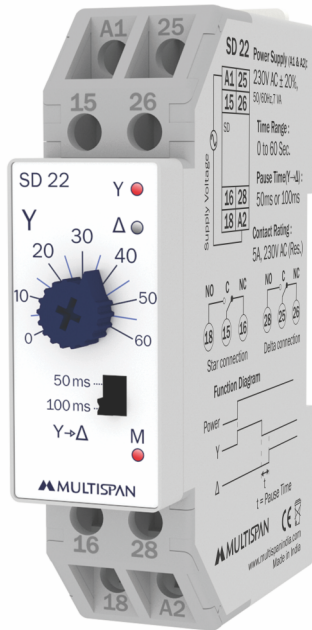
Model	DI-22U
Dimension (HxWxD)mm	90 x 22.5 x 72
Mounting	Din Rail Mounting
INPUT	Range 0.1 Sec to 10 Sec / Min / Hour
OUTPUT	1 Relay 2C/O 5A, 230V AC (Resistive Load)
POWER SUPPLY	12V to 240V DC & 20V to 240V AC, 50/60Hz



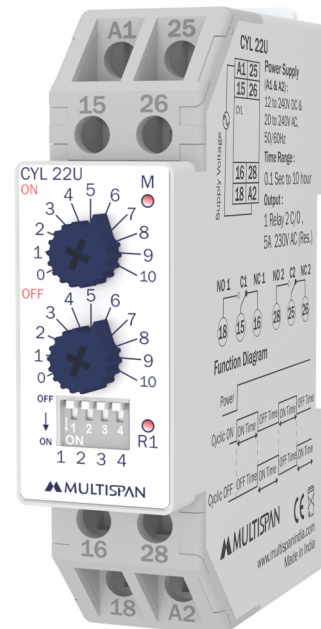
DIN RAIL ANALOG TIMER

22 TIMER SERIES

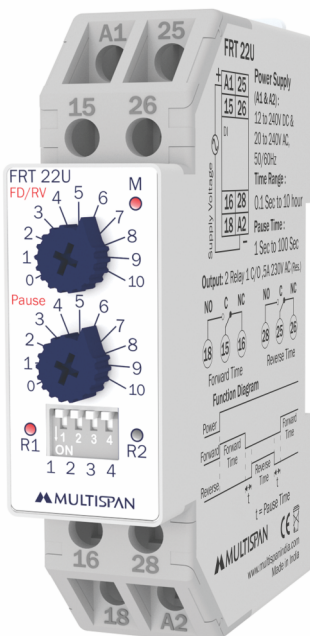
DINRAIL
MOUNT



Model	SD-22
Dimension (HxWxD)mm	90 x 22.5 x 72
Mounting	Din Rail Mounting
INPUT	Range
	Time Range : 0 to 60 Sec Pause Time : 50ms or 100ms Selection by front key
OUTPUT	Range
	2 Relay O/P (1C/O, 5A 230V AC (Resistive Load) 1st Relay for star connection & 2nd Relay for delta connection
POWER SUPPLY	Range
	230V AC ±20%, 50Hz
Note	415V AC Supply Available on request



Model	CYL-22U
Dimension (HxWxD)mm	90 x 22.5 x 72
Mounting	Din Rail Mounting
INPUT	Range
	0.1 Sec to 10 Sec / Min / Hour
OUTPUT	Range
	1 Relay 2C/O 5A, 230V AC (Resistive Load)
POWER SUPPLY	Range
	12V to 240V DC & 20V to 240V AC, 50/60Hz

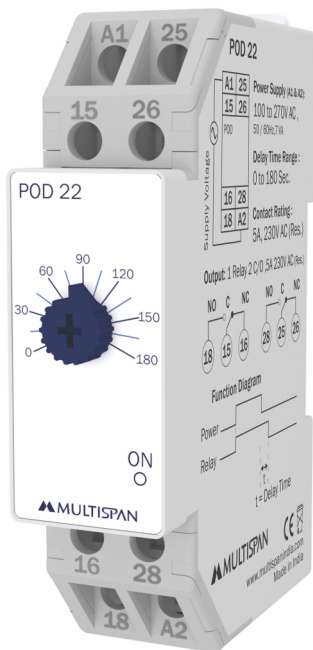


Model	FRT-22U
Dimension (HxWxD)mm	90 x 22.5 x 72
Mounting	Din Rail Mounting
INPUT	Range
	Forward & Reverse Time Range : 0.1 Sec to 10 Hour Pause Time : 1 Sec to 100 Sec
OUTPUT	Range
	2 Relay 1 C/O, 5A 230V AC (Resistive Load) 1st Relay For Forward Time & 2nd Relay For Reverse Time
POWER SUPPLY	Range
	12V to 240V DC & 20V to 240V AC, 50/60Hz

DIN RAIL RELAY

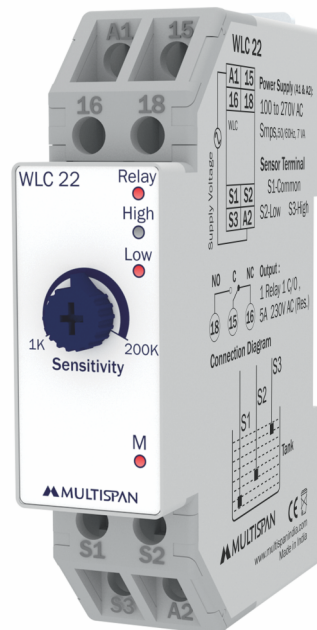
22 SERIES

DINRAIL
MOUNT

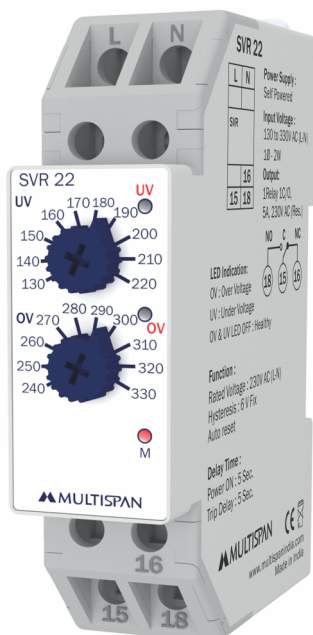


Model	POD-22
Dimension (HxWxD)mm	90 x 22.5 x 72
Mounting	Din Rail Mounting
INPUT	Range 0 to 180 Sec
OUTPUT	1 Relay 2C/O, 5a 230V AC (Resistive Load)
POWER SUPPLY	100 to 270V AC, $\pm 20\%$, 50/60Hz

Model	WLC-22
Dimension (HxWxD)mm	90 x 22.5 x 72
Mounting	Din Rail Mounting
INPUT	3 Nos. Probs, S-1 : Common, S-2 : Low, S-3 : High
OUTPUT	1 Relay 1C/O 5A, 230V AC (Resistive Load)
SENSITIVITY	1 to 200 Kilo Ohms
TRIP DELAY	0.5 Sec (Approx)
POWER SUPPLY	100 to 270V AC $\pm 20\%$, 50/60Hz



Model	SVR-22
Dimension (HxWxD)mm	90 x 22.5 x 72
Mounting	Din Rail Mounting
INPUT	Voltage 130 to 330V AC (L-N), 1 ϕ -2W
	Rated Voltage 230V AC (L-N)
OUTPUT	1 Relay 1C/O, 5A 230V AC Resistive Load
TRIPPING PARAMETER	Under Voltage Over Voltage
POWER SUPPLY	Self Powered



VOLTAGE & CURRENT TRANSDUCER

DINRAIL
MOUNT



Model	CTR-63 / CTR-632	VTR-63 / VTR-632
Dimension (HxWxD)mm	76 x 27 x 85	76 x 27 x 85
Mounting	Din Rail Mounting	Din Rail Mounting
INPUT	0 to 5A AC, 0 to 1A AC (Factory Set)	AC Voltage
OUTPUT	0 - 20mA DC / 4 - 20mA DC / 0 - 10V DC (Single or Dual Output) (Factory Set)	0 - 20mA DC / 4 - 20mA DC / 0 - 10V DC (Single or Dual Output) (Factory Set)
Accuracy	±1% of FSD	
Supply	100 - 270V AC, 50/60Hz / 24V DC (Factory Set)	

MULTI CHANNEL CURRENT TRANSDUCER

CT upto 100A

DINRAIL
MOUNT



Model	MCS-63
Dimension (HxWxD)mm	76 x 28 x 116
Mounting	Din Rail Mounting
INPUT	Current : 2A to 60A Direct UP to 6 Current Scanner
OUTPUT	RS-485 Modbus
POWER SUPPLY	24V DC
Note	3CT, 4CT, 6CT, 8CT Available. 100 Amp 3 CT Also Available

Features

SSR

- Control Input Voltage : 4-32V DC / 4-16mA
- Load Output Voltage : 24-480V AC
- Zero Cross over SSR Design
- Size : 62(H)X45(W)X25(D) (Din Rail)
- Input LED Indication
- PIV : 800V



Features

SMPS

- Input Voltage : 100V-240V AC
- Output Voltage : 24V DC, 5A
- Rated Power : 120W
- Size : 105(H)X45(W)X110(D) (Din Rail)
- Protection Available : Overload, Over voltage, Output short circuit, Over Temperature

JUMBO DISPLAY

JUMBO DISPLAY INDICATORS

Single & Double Side



8" Display



4" Display

Model		PTC-8004 (Single Side)	PIC-6004A / UTI-6004 / MPM-6004
Dimension (HxWxD)mm		325 x 650 x 50	Dual Side : 165 x 392 x 75, Single Side: 165 x 392 x 55
INPUT	Input	0 - 10V DC / 4 - 20mA DC / 0 - 20mA DC (Configurable), Pulse through encoder / proximity (Factory set) J / K / PT-100 2 Wire 3 Wire (Configurable), Rs-485 Modbus (Master Slave Selectable)	
	Range	J (0° to 400°C), K (0° to 1200°C), PT-100 2Wire or 3 Wire (-99.9° to 400.0°C) (-999 to 9999, 0 to 9999 Count For Analog Input)	
OUTPUT	Output1	2 Relay For alarm Output (Optional)	
	Output2	24@30mA DC Transmitter Supply For analog Input (Optional)	
Accuracy		±1% of FSD	
Power Supply		100 to 270V AC, 50/60Hz / 24V DC (Factory Set)	
Note		1) For Analog Input Input Model : PIC-6004A / PIC-3004A / PTC-8004 2) For Proximity Input Model : PC-6004 / MPM-6004 / RPM-6004 / MSI-3004 / UTR-6004 3) For Temperature Input Model : UTI-3004 / UTI-6004	

PROGRAMMABLE JUMBO DISPLAY COUNTER

4" Display

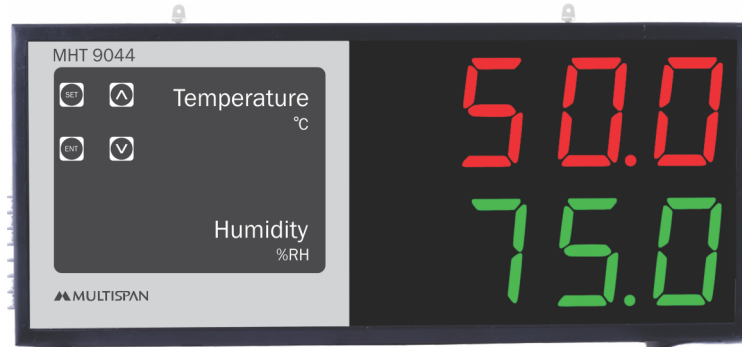


Model		PC-6006 (Single Side)
Dimension (HxWxD)mm		165 x 577 x 55
DISPLAY		Single Display : 7 Segment, 6 Digit, 4" Red Led Display
INPUT	Start Pulse	NPN / PNP Proximity Switch & Micro Switch (Configurable)
	Range	0 - 999999 Count
OUTPUT		1 Relay 1C/O 5A, 230V AC (Resistive Load) or SSR Drive O/P 12V DC, 20mA (Optional)
Memory		Non - Volatile Memory
Reset		Auto / Manual Reset / Back Reset
Supply		100 to 270V AC, 50/60Hz
Note		RS-485 Input Available as per request (Master Slave Selectable)

JUMBO DISPLAY

HUMIDITY + TEMPERATURE CONTROLLER

2.25" Display



Model		MHT-9044 (Humidity + Temperature Controller)
Dimension (HxWxD)mm		165 x 392 x 55
DISPLAY		Upper Display : 7 Segment, 4 Digit, 2.25" Red Led Display - Temperature Lower Display : 7 Segment, 4 Digit, 2.25" Green Led Display - Humidity
INPUT	Sensor	S-1 : PT-100 2 Wire or 3 Wire (RTD) S-2 : Humidity Sensor
	Range	PT-100 2 Wire or 3 Wire (-99 °C to 400 °C)
OUTPUT		1st Relay For Temperature and 2nd Relay For Humidity
Control Action		ON-OFF
Accuracy		±1% of FSD
Power Supply		100 to 250V AC, 50/60Hz

PROGRAMMABLE JUMBO LENGTH COUNTER

2.25" Display



Model		LC-9004
Dimension (HxWxD)mm		165 x 392 x 55
DISPLAY		Upper Display : 7 Segment, 6 Digit, 2.25" Red Led Display - Total Meters Lower Display : 7 Segment, 4 Digit, 2.25" Green Led Display - Meter Per Minute
INPUT	Start Pulse	NPN / PNP Proximity Switch (Configurable) / Encoder (Factory Set), Micro Switch
	Range	0 - 99999.9 / 0 - 999999 Meter (Configurable)
OUTPUT		1 Relay 1C/O 5a, 230V AC (Resistive Load) or SSR 12V max 20mA DC Output (Any One Factory Set)
MPM Range		999.9 MPM
Diameter		0 - 9999.99 MM
Memory		Non - Volatile Memory
Reset		Auto Reset / Manual Reset Facility & Front and Back Reset Facility
Supply		100 to 270V AC, 50/60Hz
Note		RS-485 Input / Output Available as per request

JUMBO DISPLAY

JUMBO DISPLAY SELECTION GUIDE

Single & Double Side

Sr. No	Product Model	Display Digit	Input	Display Parameter
1	PIC-6004A	4	4-20mA/0-10V/0-20mA DC	Process Value (-999 to 9999)
2	UTI-6004	4	J / K / PT-100	Temperature
3	PTC-6004	4	4-20mA/0-10V/0-20mA DC J / K / PT-100	Process Value (-999 to 9999)/ Temperature
4	PC-6004	4	NPN / PNP Proximity	Count
5	RPM-6004	4	NPN / PNP Proximity	RPM
6	MPM-6004	4	NPN / PNP Proximity	MPM
7	RS-6004	4	RS-485	Numeric Value
8	LC-9004	6 + 4	NPN / PNP Proximity	Total Length & MPM
9	MHT-9004	6 + 4	PT-100 _ RH Sensor	Temperature & Humidity
10	PC-6006	6	NPN / PNP Proximity	Count
11	RS-6006	6	RS-485	Numeric Value
12	PTC-8004	4	4-20mA/0-10V/0-20mA DC J / K / PT-100	Process Value (-999 to 9999)/ Temperature

User-friendly & accurate solutions

Multispan is a leading company involved in the development and production of PID Temperature Controllers , Power & Energy Meters, Protection Relays, Timers & Counters as well as customised solutions for various industrial applications. As an owner-managed family business, we employ about 300+ staff with 75+ domestic channel sales partner network in India plus product distribution in 25+ countries.

With marked customer orientation, consistently high quality and vast innovation capability, Multispan develops specific solutions for many industries and applications

Our focus

Provide user-friendly accurate solutions in a way it makes a difference for every industry



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Egypt
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Nigeria
Tunisia
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Malaysia
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Myanmar
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Qatar
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UAE
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