



“Break THROUGH Technology
Touch Screen Display”

PRICE LIST 2021

Effective from 1st October 2020

Trinity Energy Systems (P) Ltd.

Manufacturer of Digital Energy Meter,
Panel Meter, Prepaid Meter, IoT based
Smart Energy Management Systems and
Power Quality Products.



TRINITY ENERGY SYSTEMS (P) LTD

386, Savli, GIDC Estate, Manjusar, Vadodara - 391775. India




Ph.: +91-9228004452/53/54


Email: info@trinityenergy.co.in, sales@trinityenergy.co.in






Website: www.trinityenergy.co.in



Sr.No.	Model Name		Features & Parameters Displayed		MRP (INR)	
BASIC METERS						
1	ME2F1	 	Hz (45-55Hz) On 0.4" Seven Segment LED.		1800	
2	ME2V1		Volts (25-500VAC) of One Phase on 0.56" Seven Segment LED.		900	
3	ME2V3		Volts (25-500VAC) of Three Phase on 0.56" Seven Segment LED.		1130	
4	ME2A1		Amps (0-5000A AC) of One Phase on 0.56" Seven Segment LED.		900	
5	ME2A3		Amps (0-5000A AC) of Three Phase on 0.56" Seven Segment LED.		1130	
			Ammeter 3P, 60Amp.		2440	
DIGITAL ENERGY METERS						
6	ENTITY		KWH (Range : 0.9999999.9)	ENTITY BASIC (KWH Only)	2695	
				ENTITY KWH, RS485	3080	
			KWH, KVAH, KVARH (Range: 0-9999999.9)	ENTITY (KWH,KVAH) 16x1 LCD	3080	
				ENTITY KWH,KVARH, 60 Amp	4240	
7	INFINITY		KWH / KVAH	Dual KWh(EB & DG) + RS485, 16 x 1 LCD	4750	
			KWH, KVAH & KW	Dual KWh(EB & DG) + RS485, 16 x 1 LCD, Whole Current (0-60A)	5900	
DIGITAL MULTIFUNCTION METERS						
					Without RS485	With RS485
8	VAF		V(L-L), V(L-N), A, Hz, VAF3P		1795	-
9	TINY PRO6		V(L-L), V(L-N), V, A, PF, Hz, On Hour, Run Hour, KW and KWh or KVA and KVAh	Basic Model on 0.4" Seven Segment LED of 4X3 lines.	4620	5000
				Dual Source	6410	6930
				TINYPRO 6 RS485 3 PHASE, Whole Current (0-60A)	-	6160
10	NF29		V(L-L), V(L-N), A, PF, Hz, KW, KVA, KVAR, KWh, KVAh, KVARh	MFM with customized LCD	5960	6700
				With THD	7050	7850
11	EMPOWER PLUS		<ul style="list-style-type: none">V(L-L), V(L-N), Amp, Hz, P.F, KW,KVA,KVAR, KWH,KVAH, KVARH & VTHD/ITHD With RS485 PORTEvent LogsOn Hours & Run HourPhase AngleUnbalance % for Voltage & CurrentPower Interruption records (LED Display)Class 1.0		8470	9235



12				Model Type	Without RS485	With RS485
A	POWER PRO		<ul style="list-style-type: none">Volts L-N, Volts L-L(Phasewise)Current (Phasewise)Power: KW, KVA, KVAR (Total)Power Factor; (System & Phase Wise)FrequencyEnergy: KWh, KVAh, KVARh, (Total)Max. Demand Active or ApparentPower, (KW or KVA) Demand - SlidingRS485 port for Communication EMS/ PLC/ SCADA(Optional)Dual Source Measurement(Optional)Alarm on: Avg. V, Avg. A, PF, KVA, KW, KVAR, DemandSize: 96 X 96 X 55 mmAccuracy Class1.0	BASIC 16 X1	8910	9750
B				BASIC 16 X 4	9660	10,800
C				16 X1, DUAL SOURCE	9660	10,700
D				16 X4, DUAL SOURCE	10,350	11,550
LOAD MANAGER / MAXIMUM DEMAND CONTROLLER						
13	XPERT LITE		<ul style="list-style-type: none">Volts L-N, Volts L-L(Phasewise) Current (Phasewise)Power: KW, KVA, KVAR (Total)Power Factor; (System & Phase Wise) FrequencyEnergy: KWh, KVAh, KVARh, (Total) Max. Demand Active or Apparent Power, (KW or KVA) Demand - Sliding RS485 port for Communication EMS/ PLC/ SCADA(Optional)Dual Source Measurement(Optional) Alarm on: Avg. V, Avg. A, PF, KVA,KW, KVAR, DemandTwo individually programmable relays (Optional) 5A @ 230 VAC, Resistive loadHarmonics upto 15th Level VTHD , ITHD (PRO & PLUS)Graphical Screen (PRO & PLUS)Sine Wave & Bar Graph for VTHD & ITHD (PRO & PLUS)Accuracy Class 1.0Ethernet Communication (PLUS)Power Quality Measurements, SAG/SWELL (PLUS)		12,315	
14	XPERT PRO				17,000	
15	XPERT PLUS				24,400	
16	SLM PRO	CLASS 0.2/RS485 	<ul style="list-style-type: none">Class 0.2 accuracy for Active energy as per the IS14697.4 digits X 3 rows bright 7-Segment display.Compact 96 X 96 DIN Enclosure.Computed Neutral Current.Shows all three types of Power Factors – True , Displacement and Distortion.Harmonic measurement: All six waveforms up to 30 order, even and odd.Event logging of Sags, Swells and Interruptions as per IEC 61000-4-30.Demand Measurement: Fixed or Sliding for KW, KVA, KVAR and Avg.Amps.RUN Hour and ON Hour measurement.		24,110	
A						

B	SLM PRO	CLASS 0.5/RS485	<ul style="list-style-type: none"> 3P4W, 3P3W and 1P2W connections. Import – Export counters for all three energies and all Power Demands. User selectable CT and PT Ratios. 5A or 1A operation, field selectable. Energy Pulse Output LED on the front – selectable for Real/ Apparent/Reactive Energy. 	17,500
<p>NOTE:</p> <p>A. Accuracy of All Above Models: Class 1.0 Except mentioned exclusively/Class 0.5 and Class 0.2 also available.</p> <p>B. Xpert Lite Optional features: Import / Export, Dual Source</p> <p>C. SIZES FOR METERS ABOVE ARE IN 96X96 mm , CUT OUT 92x92 mm</p> <p>D. All Meters available with Hanging CT upto 70Amps , PRICE on Request</p> <p>E. Password Protection Available , Price on Request</p> <p>F. ALL METERS PT / CT Ratio Site Selectable</p>				
DATA LOGGER				
17	GOBLIN PLUS		<ul style="list-style-type: none"> All readings are true RMS measurements 480 x 272 (RGB) smart TFT display (Touch) Site selectable 1A or 5A CT secondary & Neutral CT secondary CT Primary, PT Primary and PT Secondary are site selectable Three phase current, Phase to Neutral and Phase to Phase Voltages. Measurement of all individual Power parameter as well as System parameter. Measurement of all System Energy Parameters for both EB (Import, Export) and DG. Measure Net Energy for the all system Energy Parameters. Measurement of system PF including individual PF in three phases at lead and lag side. Phase Wise Distortion and Displacement PF. Demand Measurement: Fixed or Sling for KW, KVA, KVAR and IAVG Individual Harmonics up to 30th for voltage and current. Voltage and current THD. Measures Neutral current. Current Phase Angle (Angle between $I_r - I_y$, $I_y - I_b$ and $I_r - I_b$). Voltage Phase Angle (Angle between $V_r - V_y$, $V_y - V_b$ and $V_r - V_b$). Phase Angle between Voltage and Current ($V_r - I_r$, $V_y - I_y$ and $V_b - I_b$) Voltages unbalance percentage (%VR, %VY, %VB). Current unbalance percentage (%IR, %IY, %IB). ON Hour and Run Hour (Import, Export, DG). Interruption Date and Time for 180 Events. Sag and Swell Value, Date and Time for 180 Events. Min – Max Data with Date and Time. Real Time - Date and Time. Energy Pulse Output on the LED. RS-485 port for connection to SCADA/EMS. RS-485 communication indication RX/TX LED. 	40,000


POWER FACTOR CORRECTION RELAY				
18	ACCUVAR 8 + Alarm		THREE CT TYPE - LCD DISPLAY - Size: 144X144X55mm <ul style="list-style-type: none"> Volts L-N, Current of all three phases, Power Factor Active & Apparent Energy Capacitor Current, Cap. Bank KVAR. Three Phase calculation of KVAR employed. Optimum Utilization of Distribution Transformer by reducing reactive component to near zero. SFIFO, FIFO as well as VAR mode provided, Fast Switching for Thyristors. V, A, PF, KW, KVA, KVAR, KWh, KVAh, THD-V and THD-I 3rd/5th/7th Optional Feature RS 485 : 1500/- EXTRA 	15,400
	ACCUVAR 15 + Alarm			18,240
	ACCUVAR 16			21,040
19	APFCR - 6		SINGLE CT TYPE - LCD DISPLAY - Size: 144X144X55mm <ul style="list-style-type: none"> Volts L-N, Amps, Power Factor, Capacitor-Bank PF/FIFO/SFIFO as well as VAR option site selectable. Built-In display of Volts, Amps and PF. Low Stage (4, 6) can be site selected in higher stage model like 8-stage or 12-stage or 16- Stage. Also available in Fast Switching Model, VTHD & ITHD 	11,500
	APFCR - 8			12,000
	APFCR - 12			14,400
	APFCR - 16			16,000
20	PFC1729 - 6		SINGLE CT TYPE - LED DISPLAY - Size: 144X144X55mm <ul style="list-style-type: none"> Stage wise LED Indication. Auto/Manual Mode Selection. Normal/Fast Switching Control Option. Switch On/Off banks manually in manual model only. Bright 7 segment LED display. Alarm/Trip Indication for under/over compensation and under/over voltage. 	12,300
	PFC1729 - 8			12,800
	PFC1729 - 12			15,300
	PFC1729 - 16			16,900
21	NEWTON+6		SINGLE CT TYPE - LCD DISPLAY - Size: 96X96 mm <ul style="list-style-type: none"> Volts, Current, Capacitor Current, Power Factor, VTHD, ITHD, SFIFO, FIFO as well as VAR mode option site selectable. Manual mode is available in Programming. Also available in Fast Switching Model. Bigger P.F. value display. 1% sensing in FIFO & S FIFO mode. Lead PF setting in FIFO & S FIFO. Auto Correction of CT polarity. Auto phase sequence correction voltage. Auto sensing without capacitor CT. HT/LT and CT/PT selection. 	11,330
	NEWTON+8			
22	IVC3P		THREE CT TYPE LCD DISPLAY - Size: 96X96 mm <ul style="list-style-type: none"> Volts L-N, Current of all three phases, Power Factor, Capacitor Current, Cap. Bank KVAR. Optimum Utilization of Distribution Transformer by reducing reactive component to near zero. Three Phase calculation of KVAR employed. SFIFO, FIFO as well as VAR mode provided. V, A, PF, KW, KVA, KVAR, THD. 	12,100

23	RTVC3P - 8		THREE CT TYPE LCD DISPLAY - Size: 144x144 mm <ul style="list-style-type: none">Volts L-N, Current of all three phases, Power Factor, Active & Apparent Energy Capacitor Current, Cap. Bank KVAR.Optimum Utilization of Distribution Transformer by reducing reactive component to near zero. Three Phase calculation of KVAR employed. SFIFO, FIFO as well as VAR mode provided, Fast Switching for Thyristors.V, A, PF, KW, KVA, KVAR ,KWh, KVAh, THDThyristor switching outputs with switching speed of 250msecs. Optional Feature RS485.	19,200
	RTVC3P - 15			21,700
REVENUE METER (Projection Mounting Type)				
24	E1000		<ul style="list-style-type: none">Dual Source KWh Meter, Whole Current measurement up to 60Amps. RS-485 Port for Connecting to SCADA / EMS ACCURACY : CLASS 1.0	10,500
25	E3000		<ul style="list-style-type: none">Dual Source KWh Meter, Whole Current measurement up to 60Amps.With user Programmable Current Limiting Feature(optional).Prepaid Metering over RS485 Link.ACCURACY : CLASS 1.0	14,200
26	E5000		<ul style="list-style-type: none">Revenue grade Dual Source Prepaid KWh meterWall mounting design.Dual source MeasurementTested as per IS13779Class 1.0s AccuracySize: 280 x 173 x 93 mmCurrent Limiting Facility.Pre-paid metering system using contactless smart cards	16,200
AUTO MAINS FAILURE RELAY				
27	μ-AMF		<ul style="list-style-type: none">Displays voltage, frequency and current16x2 backlit LC DisplayCT Ratio field programmable12 LEDs for different indications6 Keys3 Digital InputsDG maintenance warningLow battery warningGenerator Over Current AlarmGenerator trial fail alarmDG fault alarmDG test modeOver volt indicationUnder volt IndicationAutomatic contactor controlDisplays Generator (DG) Run Hour and Maintenance HourSuitable for both 12V and 24V battery systems. Wide input (6-36VDC) DC-DC converter power supply.Size: 96x96mm	11,900





POWER FACTOR IMPROVEMENT PRODUCT

		CAPACITORS		
28	TRI-CAP HD-R 440V		1 ,2, 3 & 4 KVAR	295 Per KVAR
			5 ,7.5, 10, 12.5, 15, 20, 25 KVAR	275 Per KVAR
	TRI-CAP HD-S 440V		1 ,2, 3 & 4 KVAR	335 Per KVAR
			5 ,7.5, 10, 12.5, 15, 20, 25 KVAR	315 Per KVAR
	TRI-CAP SHD-R-440V		1 ,2, 3 & 4 KVAR	475 Per KVAR
			5 ,7.5, 10, 12.5, 15, 20, 25 KVAR	435 Per KVAR
	TRI-CAP SHD-S-440V		1 ,2, 3 & 4 KVAR	495 Per KVAR
			5 ,7.5, 10, 12.5, 15, 20, 25 KVAR	465 Per KVAR
	TRI-CAP UHD-BOX-440V		1 ,2, 3 & 4 KVAR	540 Per KVAR
			5 ,7.5, 10, 12.5, 15, 20, 25 KVAR	505 Per KVAR
	TRI-CAP ND-R-440V		1 ,2, 3 & 4 KVAR	225 Per KVAR
			5 ,7.5, 10, 12.5, 15, 20, 25 KVAR	195 Per KVAR
	TRI-CAP ND-S-440V		1 ,2, 3 & 4 KVAR	255 Per KVAR
			5 ,7.5, 10, 12.5, 15, 20, 25 KVAR	235 Per KVAR
	TRI-CAP AAP SL-BOX-440V		1 ,2, 3 & 4 KVAR	595 Per KVAR
			5 ,7.5, 10, 12.5, 15, 20, 25 KVAR	560 Per KVAR
	TRI-CAP AAP DL-BOX-440V		1 ,2, 3 & 4 KVAR	900 Per KVAR
			5 ,7.5, 10, 12.5, 15, 20, 25 KVAR	850 Per KVAR

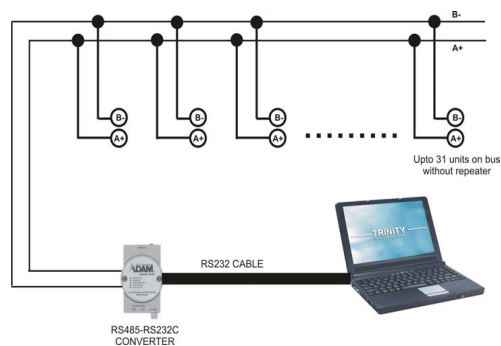
REACTORS

RATING					
			7% DETUNED	14% DETUNED	
29	HARMONIC BLOCK REACTORS 7%/14% AL WOUND		5 KVAR	6,250	10,225
			10 KVAR	8,750	14,250
			12.5 KVAR	9,600	15,980
			15 KVAR	10,250	16,950
			20 KVAR	11,550	20,250
			25 KVAR	12,400	21,900
			50 KVAR	21,000	34,100
			75 KVAR	31,150	49,910
			100 KVAR	35,500	68,500

Note: Above all values are also available in CU wound Harmonic Reactors 7%, prices are available ON REQUEST

THYRISTOR SWITCHING MODULE				
30	THYRISTOR SWITCHING MODULE 2200PIV		5 KVAR	22,100
			10 KVAR	22,100
			15 KVAR	23,199
			25 KVAR	24,100
			50 KVAR	28,100
			75 KVAR	31,100
			100 KVAR	34,100
			DW-22 Discharge Resistance	1,400
RTPFC PANEL (REAL TIME POWER FACTOR CORRECTION SYSTEM)				
31	RTPFC PANEL	<div> </div>	<ul style="list-style-type: none">Thyristorised Capacitor Switching giving total solid state and reliable operation.High speed response for VAR correction, selectable from 120 msecs to 1 second.Custom built for standard loads as well as highly unbalanced loads.Optional GPRS communication for remote monitoring and control.Choice of HD-MPP, APP and Gas filled capacitors based on site conditions.Appropriate detuned harmonic blocking reactors ensure harmonic protection.Delta connected (20 to 1000 kvar)Star Connected (Single phase capacitor 20 to100 kvar)Zero crossing Cards used for effective switching over zero crossovers.Phase wise Power factor correction in Star connected RTPFC.Best suitable solution for Unbalance load, Jerking load and Non Linear/ Harmonics poluted loads.	Price On Request
<div>a. Phase Wise Maximum Current on Full Load with Capacitor Panel Off Condition</div> <div>b. Existing PF</div> <div>c. Type of Machinery Used</div> <div>d. Last 3 Months Electricity Bill</div> <div>e. Harmonics if any</div>				
BRANCHED CHAIN POWER MONITOR (M84L)				
32	M84L		<ul style="list-style-type: none">Monitors up to 84 branch circuits with a single BCPM.Ideal for installation in both new PDUs and retrofit projects.Accurately monitor very low current levels, down to a quarter-Amp.Class 1.0 system accuracy for Revenue Grade measurements.M84L with solid core CTs monitors up to 84 branch circuits using CT strips.Voltage and current measurement accuracy is 0.5 % and currents are measured down to 20mA.Flexible Configuration capability, Supports 3P4W and 1P2W installation.Solution for: Data centres & Commercial Buildings	Price On Request

E-MON: ENERGY MONITORING SOFTWARE



Communication



Web Features



Waveform

FEATURES:

Basic Facilities:

- Supports TRINITY Meters
- Protocol Supported
- Modbus RTU
- Support Group & Subgroup
- Real Time display for Individual meters
- Real time display for selected parameter for multiple meters in single page
- Trending in both Real Time and Historical Mode
- Send mail of Energy Consumption for configured shift
- Historical data export facility (Excel Sheet)

Alarm:

- Alarm Popup on screen
- Report includes Alarm occurrence & resolve time stamp
- Generate mail for Alarm Occurrence

Security and Authentication:

- All configuration/settings are password protected
- Possible to create multiple user login-passwords to view data in web page
- Can monitor data after valid login authentication

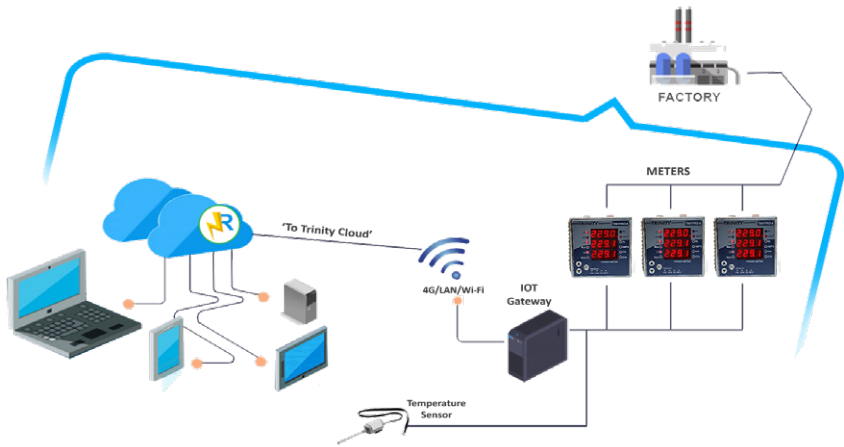
Database:

- Manual and auto backup facility are available.
- Support TRINITY meters for Local PC based System

Price on Request:

- Support all REPUTED meters for Cloud based System

REMOTE SERVER ENERGY MANAGEMENT (IOT/CLOUD BASED)



NOTE:

1. Taxes/levies: Shall be extra to your account, which are prevailing at the time of dispatch. GST + (whatever applicable).
2. Freight will be charged extra on actual.
3. Above Prices are subject to change on Manufacturer's Discretion without notice.
4. Please refer Product Catalogue for more technical details.
5. Emon software is available for multiples of 5 meters. Prices are available on request
6. We can also supply hardware for EMS such as RS 485 cable, Rs485 converter, Data Repeater, GSM Modem, GPRS Modem. Prices are available on request.

CERTIFICATE



CONTACT US:

Registered Office & Works:

TRINITY ENERGY SYSTEMS (P) LTD.

📍 386, Savli GIDC Industrial Estate,
Nr. Manjusar, At & Po: Alindra, Tal. Savli,
Dist. Vadodara - 391 775, Gujarat, India.

☎ +91- 922 800 4452/53/54
✉ info@trinityenergy.co.in
🌐 www.trinityenergy.co.in

For Sales/Export Inquiries & Orders:

✉ sales@trinityenergy.co.in

NORTH REGION

☎ +91-97187 02929
👤 YOGESH KUMAR
✉ yogesh.kumar@trinityenergy.co.in

WEST REGION

☎ +91-98256 66831
👤 AJIT PANDYA
✉ ajit.pandya@trinityenergy.co.in

SOUTH REGION

☎ +91 97277 18073
👤 KALLAPPA B.
✉ kallappa@trinityenergy.co.in

EAST REGION

☎ +91-98186 12221
👤 SANDEEP KUMAR
✉ sandeep.kumar@trinityenergy.co.in