



“Break THROUGH Technology  
Touch Screen Display”

# PRICE LIST 2021

*Effective from 1<sup>st</sup> 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](mailto:info@trinityenergy.co.in), [sales@trinityenergy.co.in](mailto:sales@trinityenergy.co.in)

Website: [www.trinityenergy.co.in](http://www.trinityenergy.co.in)



Sr.No.	Model Name		Features & Parameters Displayed	MRP (INR)	
<b>BASIC METERS</b>					
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	
<b>DIGITAL ENERGY METERS</b>					
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	
<b>DIGITAL MULTIFUNCTION METERS</b>					
8	VAF			Without RS485	
			V(L-L), V(L-N), A, Hz, VAF3P	With RS485	
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	
				Dual Source 6410	
				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	
				With THD 7050	
11	EMPOWER PLUS		<ul style="list-style-type: none"> <li>V(L-L), V(L-N), Amp, Hz, P.F, KW,KVA,KVAR, KWH,KVAH, KVARH &amp; VTHD/ITHD With RS485 PORT</li> <li>Event Logs</li> <li>On Hours &amp; Run Hour</li> <li>Phase Angle</li> <li>Unbalance % for Voltage &amp; Current</li> <li>Power Interruption records (LED Display)</li> <li>Class 1.0</li> </ul>	8470	9235

12				Model Type	Without RS485	With RS485
A	POWER PRO		<ul style="list-style-type: none"> <li>• Volts L-N, Volts L-L(Phasewise)</li> <li>• Current (Phasewise)</li> <li>• Power: KW, KVA, KVAr (Total)</li> <li>• Power Factor; (System &amp; Phase Wise)</li> <li>• Frequency</li> <li>• Energy: KWh, KVAh, KVArh, (Total)</li> <li>• Max. Demand Active or Apparent</li> <li>• Power, (KW or KVA) Demand - Sliding</li> <li>• RS485 port for Communication EMS/ PLC/ SCADA(Optional)</li> <li>• Dual Source Measurement(Optional)</li> <li>• Alarm on: Avg. V, Avg. A, PF, KVA, KW, KVAr, Demand</li> <li>• Size: 96 X 96 X 55 mm</li> <li>• Accuracy Class1.0</li> </ul>	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"> <li>• Volts L-N, Volts L-L(Phasewise) Current (Phasewise)</li> <li>• Power: KW, KVA, KVAr (Total)</li> <li>• Power Factor; (System &amp; Phase Wise) Frequency</li> </ul>	12,315
14	XPERT PRO		<ul style="list-style-type: none"> <li>• Energy: KWh, KVAh, KVArh, (Total) Max. Demand Active or Apparent Power, (KW or KVA) Demand - Sliding RS485 port for Communication EMS/ PLC/ SCADA(Optional)</li> <li>• Dual Source Measurement(Optional) Alarm on: Avg. V, Avg. A, PF, KVA, KW, KVAr, Demand</li> <li>• Two individually programmable relays (Optional) 5A @ 230 VAC, Resistive load</li> </ul>	17,000
15	XPERT PLUS	 <b>NEW</b>	<ul style="list-style-type: none"> <li>• Harmonics upto 15th Level VTHD , ITHD (PRO &amp; PLUS)</li> <li>• Graphical Screen (PRO &amp; PLUS)</li> <li>• Sine Wave &amp; Bar Graph for VTHD &amp; ITHD (PRO &amp; PLUS)</li> <li>• Accuracy Class 1.0</li> <li>• Ethernet Communication (PLUS)</li> <li>• Power Quality Measurements, SAG/SWELL (PLUS)</li> </ul>	24,400
16	SLM PRO	 CLASS 0.2/RS485	<ul style="list-style-type: none"> <li>• Class 0.2 accuracy for Active energy as per the IS14697.</li> <li>• 4 digits X 3 rows bright 7-Segment display.</li> <li>• Compact 96 X 96 DIN Enclosure.</li> <li>• Computed Neutral Current.</li> <li>• Shows all three types of Power Factors – True , Displacement and Distortion.</li> <li>• Harmonic measurement: All six waveforms up to 30 order, even and odd.</li> <li>• Event logging of Sags, Swells and Interruptions as per IEC 61000-4-30.</li> <li>• Demand Measurement: Fixed or Sliding for KW, KVA, KVAr and Avg.Amps.</li> <li>• RUN Hour and ON Hour measurement.</li> </ul>	24,110
A				

B	<b>SLM PRO</b>	CLASS 0.5/RS485	<ul style="list-style-type: none"> <li>• 3P4W, 3P3W and 1P2W connections.</li> <li>• Import – Export counters for all three energies and all Power Demands.</li> <li>• User selectable CT and PT Ratios. 5A or 1A operation, field selectable.</li> <li>• Energy Pulse Output LED on the front – selectable for Real/ Apparent/Reactive Energy.</li> </ul>	17,500
---	----------------	-----------------	--	--------

**NOTE:**

- Accuracy of All Above Models: Class 1.0 Except mentioned exclusively/Class 0.5 and Class 0.2 also available.
- Xpert Lite Optional features: Import / Export, Dual Source
- SIZES FOR METERS ABOVE ARE IN 96X96 mm , CUT OUT 92x92 mm
- All Meters available with Hanging CT upto 70Amps , PRICE on Request
- Password Protection Available , Price on Request
- ALL METERS PT / CT Ratio Site Selectable

## DATA LOGGER

17	<b>GOBLIN PLUS</b>		<ul style="list-style-type: none"> <li>• All readings are true RMS measurements</li> <li>• 480 x 272 (RGB) smart TFT display (Touch)</li> <li>• Site selectable 1A or 5A CT secondary &amp; Neutral CT secondary</li> <li>• CT Primary, PT Primary and PT Secondary are site selectable</li> <li>• Three phase current, Phase to Neutral and Phase to Phase Voltages.</li> <li>• Measurement of all individual Power parameter as well as System parameter.</li> <li>• Measurement of all System Energy Parameters for both EB (Import, Export) and DG.</li> <li>• Measure Net Energy for the all system Energy Parameters.</li> <li>• Measurement of system PF including individual PF in three phases at lead and lag side.</li> <li>• Phase Wise Distortion and Displacement PF.</li> <li>• Demand Measurement: Fixed or Sling for KW, KVA, KVAR and IAVG</li> <li>• Individual Harmonics up to 30th for voltage and current.</li> <li>• Voltage and current THD.</li> <li>• Measures Neutral current.</li> <li>• Current Phase Angle (Angle between Ir - Iy, Iy - Ib and Ir - Ib).</li> <li>• Voltage Phase Angle (Angle between Vr - Vy, Vy - Vb and Vr - Vb).</li> <li>• Phase Angle between Voltage and Current (Vr – Ir, Vy – Iy and Vb – Ib)</li> <li>• Voltages unbalance percentage (%VR, %VY, %VB).</li> <li>• Current unbalance percentage (%IR, %IY, %IB).</li> <li>• ON Hour and Run Hour (Import, Export, DG).</li> <li>• Interruption Date and Time for 180 Events.</li> <li>• Sag and Swell Value, Date and Time for 180 Events.</li> <li>• Min – Max Data with Date and Time.</li> <li>• Real Time - Date and Time.</li> <li>• Energy Pulse Output on the LED.</li> <li>• RS-485 port for connection to SCADA/EMS.</li> <li>• RS-485 communication indication RX/TX LED.</li> </ul>	40,000
----	--------------------	---	--	--------

## POWER FACTOR CORRECTION RELAY

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

23	RTVC3P - 8		<b>THREE CT TYPE LCD DISPLAY - Size: 144x144 mm</b>	19,200
	RTVC3P - 15		<ul style="list-style-type: none"> <li>• Volts L-N, Current of all three phases, Power Factor, Active &amp; Apparent Energy Capacitor Current, Cap. Bank KVAR.</li> <li>• 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.</li> <li>• V, A, PF, KW, KVA, KVAR, KWh, KVAh, THD Thyristor switching outputs with switching speed of 250msecs.</li> <li>• Optional Feature RS485.</li> </ul>	

## REVENUE METER (Projection Mounting Type)

24	E1000		<ul style="list-style-type: none"> <li>• Dual Source KWh Meter, Whole Current measurement up to 60Amps. RS-485 Port for Connecting to SCADA / EMS</li> <li>• ACCURACY : CLASS 1.0</li> </ul>	10,500
25	E3000		<ul style="list-style-type: none"> <li>• Dual Source KWh Meter, Whole Current measurement up to 60Amps.</li> <li>• With user Programmable Current Limiting Feature(optional).</li> <li>• Prepaid Metering over RS485 Link.</li> <li>• ACCURACY : CLASS 1.0</li> </ul>	14,200
26	E5000		<ul style="list-style-type: none"> <li>• Revenue grade Dual Source Prepaid KWh meter</li> <li>• Wall mounting design. Dual source Measurement</li> <li>• Tested as per IS13779</li> <li>• Class 1.0s Accuracy</li> <li>• Size: 280 x 173 x 93 mm</li> <li>• Current Limiting Facility. Pre-paid metering system using contactless smart cards</li> </ul>	16,200

## AUTO MAINS FAILURE RELAY

27	μ-AMF		<ul style="list-style-type: none"> <li>• Displays voltage, frequency and current</li> <li>• 16x2 backlit LC Display</li> <li>• CT Ratio field programmable</li> <li>• 12 LEDs for different indications</li> <li>• 6 Keys</li> <li>• 3 Digital Inputs</li> <li>• DG maintenance warning</li> <li>• Low battery warning</li> <li>• Generator Over Current Alarm</li> <li>• Generator trial fail alarm</li> <li>• DG fault alarm</li> <li>• DG test mode</li> <li>• Over volt indication</li> <li>• Under volt Indication</li> <li>• Automatic contactor control</li> <li>• Displays Generator (DG) Run Hour and Maintenance Hour</li> <li>• Suitable for both 12V and 24V battery systems. Wide input (6-36VDC) DC-DC converter power supply.</li> <li>• Size: 96x96mm</li> </ul>	11,900
----	-------	---	--	--------

## POWER FACTOR IMPROVEMENT PRODUCT

		CAPACITORS			
28	TRI-CAP HD-R 440V		1 ,2, 3 & 4 KVAR 295 Per KVAR		
	TRI-CAP HD-S 440V		5 ,7.5, 10, 12.5, 15, 20, 25 KVAR 275 Per KVAR		
	TRI-CAP SHD-R-440V		1 ,2, 3 & 4 KVAR 335 Per KVAR		
	TRI-CAP SHD-S-440V		5 ,7.5, 10, 12.5, 15, 20, 25 KVAR 315 Per KVAR		
	TRI-CAP UHD-BOX-440V		1 ,2, 3 & 4 KVAR 475 Per KVAR		
	TRI-CAP ND-R-440V		5 ,7.5, 10, 12.5, 15, 20, 25 KVAR 435 Per KVAR		
	TRI-CAP ND-S-440V		1 ,2, 3 & 4 KVAR 495 Per KVAR		
	TRI-CAP AAP SL-BOX-440V		5 ,7.5, 10, 12.5, 15, 20, 25 KVAR 465 Per KVAR		
	TRI-CAP AAP DL-BOX-440V		1 ,2, 3 & 4 KVAR 540 Per KVAR		
			5 ,7.5, 10, 12.5, 15, 20, 25 KVAR 505 Per KVAR		
REACTORS					
29	HARMONIC BLOCK REACTORS 7%/14% AL WOUND		RATING	7% DETUNED	14% DETUNED
			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

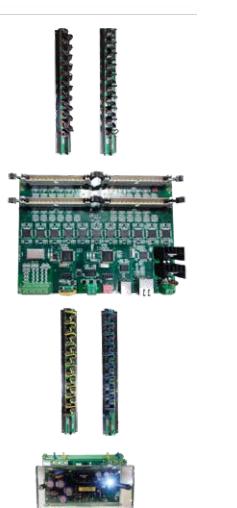
30	THYRISTOR SWITCHING MODULE 2200PIV		5 KVAR	22,100
			10 KVAR	22,100
			15 KVAR	23,199
			25 KVAR	24,100
			50 KVAR	28,100
			75 KVAR	31,100
			100 KVAR	34,100
			DW-22 Discharge Resistance	1,400

## RTPFC PANEL (REAL TIME POWER FACTOR CORRECTION SYSTEM)

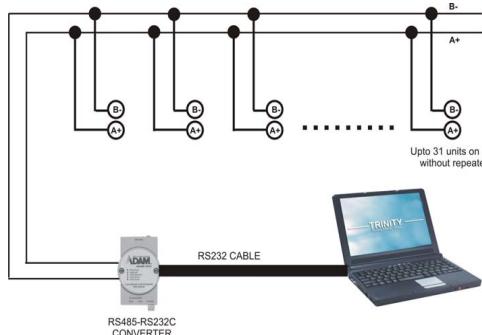
31	RTPFC PANEL		<ul style="list-style-type: none"> <li>Thyristorised Capacitor Switching giving total solid state and reliable operation.</li> <li>High speed response for VAR correction, selectable from 120 msecs to 1 second.</li> <li>Custom built for standard loads as well as highly unbalanced loads.</li> <li>Optional GPRS communication for remote monitoring and control.</li> <li>Choice of HD-MPP, APP and Gas filled capacitors based on site conditions.</li> <li>Appropriate detuned harmonic blocking reactors ensure harmonic protection.</li> <li>Delta connected (20 to 1000 kvar)</li> <li>Star Connected (Single phase capacitor 20 to100 kvar)</li> <li>Zero crossing Cards used for effective switching over zero crossovers.</li> <li>Phase wise Power factor correction in Star connected RTPFC.</li> <li>Best suitable solution for Unbalance load, Jerking load and Non Linear/ Harmonics poluted loads.</li> </ul>	Price On Request

- Phase Wise Maximum Current on Full Load with Capacitor Panel Off Condition
- Existing PF
- Type of Machinery Used
- Last 3 Months Electricity Bill
- Harmonics if any

## BRANCHED CHAIN POWER MONITOR (M84L)

32	M84L		<ul style="list-style-type: none"> <li>Monitors up to 84 branch circuits with a single BCPM.</li> <li>Ideal for installation in both new PDUs and retrofit projects.</li> <li>Accurately monitor very low current levels, down to a quarter-Amp.</li> <li>Class 1.0 system accuracy for Revenue Grade measurements.</li> <li>M84L with solid core CTs monitors up to 84 branch circuits using CT strips.</li> <li>Voltage and current measurement accuracy is 0.5 % and currents are measured down to 20mA.</li> <li>Flexible Configuration capability, Supports 3P4W and 1P2W installation.</li> <li>Solution for: Data centres &amp; Commercial Buildings</li> </ul>	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

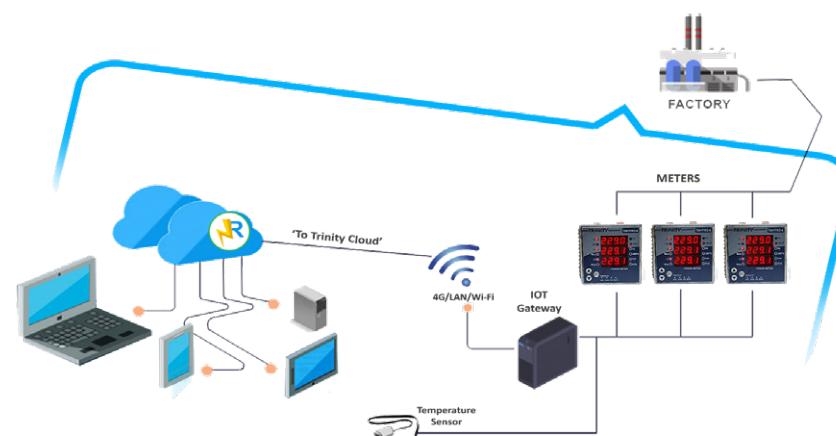
#### Database:

- 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

8 YOGESH KUMAR

✉ yogesh.kumar@trinityenergy.co.in

## WEST REGION

Call +91-98256 66831

8 AJIT PANDYA

✉ ajit.pandya@trinityenergy.co.in

## SOUTH REGION

 +91 97277 18073

8 KALLAPPA B.

✉ kallappa@trinityenergy.co.in

## EAST REGION

Call +91-98186 12221

8 SANDEEP KUMAR

✉ sandeep.kumar@trinityenergy.co.in