



Three Phase Prepayment Meter ATRIA



- Complying to IS 15884
- Prepaid electricity distribution with simple numeric codes for recharge
- Dual source metering: separate energy registers and tariffs for utility (EB) and generator (DG) supply
- Current load cost and number of days left for usage shown on display
- Programmable friendly hours/days, holidays, slab/time-of-day tariff structure
- Load connection/disconnection via relays in all phases
- Optional consumer interface unit (CIU) available with USB dongle for recharging

Specifications		Display	
Connection	3 Phase 4 Wire	LCD	8 digit backlit display
Standards Applicable	IS 15884	LCD Indicators	Indication for relay status, tampers
Accuracy Class	CI 1.0	Display mode	Auto scroll, push button and high resolution modes
Rated Voltage	3 x 240V (P-N)	LED	Pulse LEDs for kWh and kVAh
Voltage Variation	-40% to +30%		
Current Rating	10-60 A 20-80 A		
Starting Current	0.2% of basic current		
Accuracy up to	120% of maximum current		
Frequency	50Hz		
Frequency Variation	-5% to +5%		
Power Consumption	As per IS 15884		
Operating Temperature	-10°C to +55°C		
Ingress Protection	IP 51		
Supported parameters (As per customer requirement)		Prepaid Features	
Instantaneous	- Phase wise voltages - Phase wise currents - System power factor - Active power, reactive power and apparent power - Frequency	Keypad	Encrypted STS based token entry using standard telephone keypad
Energy Measurement	4 quadrant measurement of kWh, kVAh, and kVAh	Prepaid token features	Emergency credit; specific and non-reusable tokens; provision to program friendly hours/days, holidays; slab/time-of-day tariff structure
Maximum Demand	kW and kVA along with date and time	Overload protection	Trip on over-drawal of current or exceeding sanctioned demand
Time of Day	Up to 8 registers	Buzzer	For low credit and emergency credit
Prepaid parameters	Tariff details (TOD/slab), fixed charges, minimum charges, other charges in EB and DG modes and applicable taxes Credit balance in INR Days left based on present month's average consumption	Communication	Optical port RS 485 port for connection of CIU (optional)
		Relay	Provided in all 3 phases complying to IS15884 with UC1/UC2
		DG supply sensing	Uses a signal of 24-440 V AC/DC
		Consumer Interface Unit (optional)	Display of meter parameters and token entry; LEDs provided for power ON/OFF and credit status
		Authenticated Billing Code	Provides details of cumulative kWh and available meter credit to utility

