

Single phase smart meter

Sr. No.	Meter Specifications	Features
1.	Nature of the meter / Connection Type	1Phase 2 wire Single Phase SMART ENERGY METER
2.	Manufactures Name	Gepdec Infratech Ltd.
3.	Category	D1
4.	Indian Standard	IS 16444, 13779, 15959, 15884
5.	Rated Current	Ib(I _{max})A= 10(60)A, Withstands 120% I _{max}
6.	Accuracy Class	+/- 1%
7.	Meter Constant	1600
8.	Reference Voltage(V _{ref})	240 V (-40% to +20%)
9.	Starting Current	0.4% Ib
10.	Reference Frequency	50 Hz+/-5%
11.	Burden voltage circuit	5W/15VA
12.	Burden Current circuit	<4VA
13.	LED Detail	kWh, kVA _{rh}
14.	Load Contractor	Latching Relays
15.	Mode Of Communication Port	TWO (Optical & GPRS)
16.	Display	LCD
17.	LED indictor	Line, Tamper, kWh, kVA _h , Communication(Rx, Tx & Status)
18.	Communication port/Methods	GSM/GPRS
19.	Communication protocol	DLMS COSEM
20.	Operating Temperature Range	-10°c to +60°c
21.	Storage Temperature Range	-25°c to +70°c
22.	Operating Humidity Range	Up to 95% non-condensing
23.	Degree of protection	IP51
24.	Total weight of Meter	1.1 Kg approximate
25.	Event/Tamper Log	1. Over Voltage Tamper 2. Low Voltage Tamper 3. Earth Tamper 4. Over Current Tamper 5. Neutral Missing 6. Neutral Disturbance 7. Magnet 8. Top cover open (Non-Roll Over) 9. Power Fail event 10. Current Reverse 11. Plug in Communication Module Removal 12. Overload 13. Load switch status – Disconnected 14. Load switch status - Connected: 15. Transaction
26.	Read/Write Parameters	Instant profile, RTC, Serial No., Block load, Daily load, Billing, Zone.
27.	TOD- Zone	4 Zone configurable
28.	Demand Integration period	1800 & 900 Sec
29.	Mode of Billing	Auto & Manual
30.	Billing Date & Time	First Day of Month (Auto)

Single phase smart meter

31.	Smart meter communication features	1. On new Firmware Activation 2. On Setting the Load limiter (KW) value 3. On setting the Enable/ disable through Control Mode
32.	Metering Mode	Forward Only
33.	Load Limiter KW (Configurable)	21840 Watt (default)
34.	Lockout Period	1800 sec.
35.	Communication Status	COM LED on Meter Module
36.	Load Switch Open Status Icon	LCD
37.	Meter Display Parameters Sequence Mode	AUTO, PUSH , High Resolution(HR) and Battery
38.	Comm. Setup	IPv6 setup
39.	Firmware upgrade by FOTA	Yes
40.	Push Services	Yes
41.	Automatic N/W Registration	Yes
42.	cryptographic engine	Yes
43.	security	Yes
44.	Payment Mode	Post Paid meter Only
45.	Bidirectional metering	yes