

Three phase smart meter

Sr. No.	Meter Specifications	Features	
1.	Nature of the meter / Connection Type	3Phase 4 wire Three Phase SMART ENERGY METER	
2.	Manufactures Name	Gepdec Infratech Ltd.	
3.	Category	D2	
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	1000	
8.	Reference Voltage(Vref)	240 V	
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, kVArh	
14.	Load Contractor	Latching Relays	
15.	Mode Of Communication Port	TWO (Optical & GPRS)	
16.	Display	LCD	
17.	LED indictor	Line, Tamper, kWh, kVAh, 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	1.2 Kg approximate	
25.	Event/Tamper Log	<ol style="list-style-type: none"> 1. R/Y/B phase voltage missing 2. R/Y/B phase Current Reverse 3. Voltage unbalance 4. Current unbalance 5. Over Voltage in any phase Tamper 6. Low Voltage in any phase Tamper 7. Over Current Tamper 8. Overload 9. Low power factor 10. Neutral Disturbance 11. Magnet 12. Top cover open (Non-Roll Over) 13. Power Fail event 14. Plug in Communication Module Removal 15. Load switch status – Disconnected 16. Load switch status - Connected: 17. Transaction event will log within 10 seconds. 	
26.	Read/Write Parameters	Instant profile, RTC, Serial No., Block load, Daily load, Billing, Zone.	
27.	TOD- Zone	8 Zone configurable	
28.	Demand Integration period	1800 & 900 Sec	
29.	Mode of Billing	Auto & Manual	
30.	Billing Date & Time	First Day of Month (Auto)	

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31.	Smart meter communication features	<ol style="list-style-type: none"> 1. On new Firmware Activation 2. On Setting the Load limiter (KW) value 3. On setting the Enable/ disable through Control Mode 	
32.	Enable/Disable Load Limit Function	On setting the Enable/ disable through Control Mode	
33.	Metering Mode	Forward Only	
34.	Load Limiter KW (Configurable)	21840 Watt (default)	
35.	Lockout Period	1800 sec.	
36.	Communication Status	COM LED on Meter Module	
37.	Load Switch Open Status Icon	LCD	
38.	Meter Display Parameters Sequence Mode	AUTO, PUSH , High Resolution(HR) and Battery	
39.	Comm. Setup	IPv6 setup	
40.	Firmware upgrade by FOTA	Yes	
41.	Push Services	Yes	
42.	Automatic N/W Registration	Yes	
43.	cryptographic engine	Yes	
44.	security	Yes	
45.	Payment Mode	Post Paid meter Only	
46.	Bidirectional metering	yes	