

GURANTEE TECHNICAL PARTICULARS OF AC SINGLE PHASE ELECTRONIC ENERGY
METER WITH DUAL SOURCE AND PREPAID FUNCTION

Sr. No	Particulars	Offered by firm
1.	Name of manufactures	
2.	Type	
3.	Standard applicable	Is-13779 latest
4.	Rated voltage	240v +20% to -40%
5.	Rated current	Basic current 10amps, maximum current 60amps
6.	Frequency	50hz ±5%
7.	Power factor	0.5 lag- unity-0.866 lead
8.	Completely type tested to is 13779	Yes
9.	Minimum starting current in % of base current	0.4% of ib
10.	Maximum continuous current	600% of ib
11.	Power loss per phase (i) Voltage circuit (ii) Current circuit	As per is 13779:1999 with latest amendments
12.	Accuracy class	Class 1.0
13.	Change in error due to a. Variation in voltage, frequency b. Variation in temperature	As per is 13779:1999 with latest amendments
14.	Limit of accuracy	As per is 13779:1999 with latest amendments
15.	Insulation level	As per is 13779:1999 with latest amendments
16.	Test output for calibration & testing	Red color led with high intensity
17.	Type of register 1) No. Of digits 2) Backlit	5+1 digits (1decimal) Provided
18.	Auto scroll parameter	a. Cumulative forwarded kwh (DG) b. Cumulative forwarded kwh (EB)
19.	Push button mode	a. Segment check b. Meter id c. Real date in dd/mm/yy d. Real time in hh/mm/ss e. Cumulative forwarded kwh (DG) f. Cumulative forwarded kwh (EB) g. DG Tariff set value h. EB Tariff set value i. DG Max load set value

GURANTEE TECHNICAL PARTICULARS OF AC SINGLE PHASE ELECTRONIC ENERGY
METER WITH DUAL SOURCE AND PREPAID FUNCTION

		<p>j. EB Max load set value k. Balance l. Daily deduction amount m. Set over load count n. Time between two over load attempts o. Set amount of Monthly deduction p. Instant voltage q. Instant current r. Instant load kw s. Instant load KVA t. Instant power factor u. Instant load frequency Parameter automatically transfers to auto scroll after 10 sec when push button not pressed continuously.</p>										
20.	Parameters to be write with modbus rs 485/ lora	<p>EB max loads setting Dg max load setting Eb tariff setting Dg tariff setting Recharge amount Daily charge deduction setting No of over load check Over load delay between two attempts Over load check time in second Happy hour setting Happy day setting Meter id setting Emergency load on setting Force Relay off Force Relay on Force Relay default</p>										
21	Parameters to be read with modbus rs 485/ lora	<table border="1"> <tr><td>Eb kwh</td></tr> <tr><td>Dg kwh</td></tr> <tr><td>Relay status</td></tr> <tr><td>Eb/dg status</td></tr> <tr><td>Eb loads setting</td></tr> <tr><td>Dg load setting</td></tr> <tr><td>Eb tariff setting</td></tr> <tr><td>Dg tariff setting</td></tr> <tr><td>Balance amount</td></tr> <tr><td>Daily charge setting</td></tr> </table>	Eb kwh	Dg kwh	Relay status	Eb/dg status	Eb loads setting	Dg load setting	Eb tariff setting	Dg tariff setting	Balance amount	Daily charge setting
Eb kwh												
Dg kwh												
Relay status												
Eb/dg status												
Eb loads setting												
Dg load setting												
Eb tariff setting												
Dg tariff setting												
Balance amount												
Daily charge setting												

GURANTEE TECHNICAL PARTICULARS OF AC SINGLE PHASE ELECTRONIC ENERGY
METER WITH DUAL SOURCE AND PREPAID FUNCTION

		No of over load check Over load delay between two attempts Over load check time in second Frequency Voltage Current Pf Kw load Kva load	
	Additional features	1.0 global command to run a set of meters for running at dg/eb (with lora) So no need of wiring of dg sensing 2.0 Emergency load on with button, once in a month 3.0 Force Relay off/ Force Relay on/ Relay default 4.0 Factory default setting	
22.	Compliance to emc & emi	As per is 13779:1999 with latest amendments	
23.	Communication	1.0 Lora 2.0 Rs 485	
26.	Degree of protection against dust & water	Ip 51	
27.	Marking on name plate as per is13779	Provided	
28.	Calibration	Calibration at manufacturing site only	

Authorized signatory