



## Address Map

**Format - EIPL/R&D/CP/60**

**Version - 1.0**

**Model - EMAB-600**

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Sr No	Parameters	Units of Measurement	Data Type	Size in byte	Multiplier Factor	Type of Register	Modbus Register Address	No. of Registers required
1-6	Reserved							
7	DATE	Date	Unsigned Integer	2	1	Input Register	20	1
8	HOUR	Hour	Unsigned Integer	2	1	Input Register	21	1
9	MINUTES	Minutes	Unsigned Integer	2	1	Input Register	22	1
10	SECONDS	Seconds	Unsigned Integer	2	1	Input Register	23	1
11	MONTH	Month	Unsigned Integer	2	1	Input Register	24	1
12	YEAR	Year	Unsigned Integer	2	1	Input Register	25	1
13	SITE BATT VOLTAGE	Volt	Unsigned Integer	2	0.01	Input Register	26	1
14	MAINS VOLTAGE R	Volt	Unsigned Integer	2	0.01	Input Register	27	1
15	MAINS VOLTAGE Y	Volt	Unsigned Integer	2	0.01	Input Register	28	1
16	MAINS VOLTAGE B	Volt	Unsigned Integer	2	0.01	Input Register	29	1
17	Mains Frequency	Hz	Unsigned Integer	2	0.01	Input Register	30	1
18-19	Reserved							
20	GEN VOLTAGE R	Volt	Unsigned Integer	2	0.01	Input Register	33	1
21	GEN VOLTAGE Y	Volt	Unsigned Integer	2	0.01	Input Register	34	1
22	GEN VOLTAGE B	Volt	Unsigned Integer	2	0.01	Input Register	35	1
23	GEN FREQUENCY	Hz	Unsigned Integer	2	0.01	Input Register	36	1
24	Output CURRENT R	Amp	Unsigned Integer	2	0.1	Input Register	37	1
25	Output CURRENT Y	Amp	Unsigned Integer	2	0.1	Input Register	38	1
26	Output CURRENT B	Amp	Unsigned Integer	2	0.1	Input Register	39	1
27-28	Reserved							
29	Mains RUN Hour	Hour	Unsigned Long Integer	4	0.1	Input Register	42-43	2
30-41	Reserved							
42	DG Total RUNNING Hour	Hour	Unsigned Long Integer	4	0.1	Input Register	68-69	2
43	DG RUNNING AUTO RUN HR	Hour	Unsigned Long Integer	4	0.1	Input Register	70-71	2
44	DG RUNNING MANUAL RUN HR	Hour	Unsigned Long Integer	4	0.1	Input Register	72-73	2
45	GEN NO LOAD RUN HR	Hour	Unsigned Long Integer	4	0.1	Input Register	74-75	2
46	DG on load Run hr	Hour	Unsigned Long Integer	4	0.1	Input Register	76-77	2
47	Reserved							
48	BATTERY RUN HR	Hour	Unsigned Long Integer	4	0.1	Input Register	80-81	2
49	Mains R Phase Power	KW	Unsigned Integer	2	0.1	Input Register	82	1
50	Mains Y Phase Power	KW	Unsigned Integer	2	0.1	Input Register	83	1
51	Mains B Phase Power	KW	Unsigned Integer	2	0.1	Input Register	84	1
52	Mains Total Power	KW	Unsigned Integer	2	0.1	Input Register	85	1
53	GEN OUTPUT POWER	KW	Unsigned Integer	2	0.1	Input Register	86	1
54	Mains Energy	KWH	Unsigned Long Integer	4	0.01	Input Register	87-88	2



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55-57	Reserved							
58	DG Energy	KWH	Unsigned Long Integer	4	0.01	Input Register	95-96	2
59	Shelter Temperature	Degree C	Unsigned Integer	2	0.1	Input Register	97	1
60	Cabinet Temperature	Degree C	Unsigned Integer	2	0.1	Input Register	98	1
61	FUEL %	%	Unsigned Integer	2	1	Input Register	99	1
62	GEN Battery Voltage	Volt	Unsigned Integer	2	0.01	Input Register	100	1

**INPUT STATUS**

1	Fire/Smoke	NA	BIT	NA	NA	Input Status	1	1
2	Shelter Door Open	NA	BIT	NA	NA	Input Status	2	1
3	Mains Fail	NA	BIT	NA	NA	Input Status	3	1
4	Site on Battery	NA	BIT	NA	NA	Input Status	4	1
5	Load on DG	NA	BIT	NA	NA	Input Status	5	1
6	Low Battery Voltage	NA	BIT	NA	NA	Input Status	6	1
7	Gen Fail to Start	NA	BIT	NA	NA	Input Status	7	1
8	Gen Common Fault	NA	BIT	NA	NA	Input Status	8	1
9	Gen Fail to Stop	NA	BIT	NA	NA	Input Status	9	1
10	LLOP Fault	NA	BIT	NA	NA	Input Status	10	1
11	Gen Alternator Fault	NA	BIT	NA	NA	Input Status	11	1
12	Low Fuel Level @ 15%	NA	BIT	NA	NA	Input Status	12	1
13	Room Temp High	NA	BIT	NA	NA	Input Status	13	1
14	Reserve	NA	BIT	NA	NA	Input Status	14	1
15	Reserve	NA	BIT	NA	NA	Input Status	15	1
16	Reserve	NA	BIT	NA	NA	Input Status	16	1
17	Gen IDLE RUN	NA	BIT	NA	NA	Input Status	17	1
18	Reserve	NA	BIT	NA	NA	Input Status	18	1
19	Reserve	NA	BIT	NA	NA	Input Status	19	1
20	Gen Overload	NA	BIT	NA	NA	Input Status	20	1
21	Gen Battery Low	NA	BIT	NA	NA	Input Status	21	1
22	Tampering	NA	BIT	NA	NA	Input Status	22	1
23	Cabinet Temp. High	NA	BIT	NA	NA	Input Status	23	1
24	Reserve	NA	BIT	NA	NA	Input Status	24	1
25	Mains Overload	NA	BIT	NA	NA	Input Status	25	1

**Note:-**

1	This is a computer generated document and does not require any signature.
2	Due to continuous improvement of product the technical parameters might change from time to time.