

Wall Mounted Home Inverter

Salient Features:

- Transformer less design
- DSP Controlled Pure sine wave
- Light weight
- Built-in Lithium Battery
- Long Life – No Maintenance



Model No.		DE-0K6-12-HI-WSi	DE-1K-12-HI-WSi	DE-1K2-12-HI-WSi
Rating		600VA,500W	1000VA,800W	1200VA,1000W
Nominal DC Voltage		12.8VDC	12.8VDC	12.8VDC
Battery Capacity (adjustable as per backup)		100AH	100AH	100AH
Voltage Range VAC (Normal Mode)		230V ±3%	230V ±3%	230V ±3%
Frequency Hz		50Hz ±3%	50Hz ±3%	50Hz ±3%
Charger Type		CC CV	CC CV	CC CV
Charging Current		10A Max	10A Max	10A Max
Charging Time		3-4 Hours	3-4 Hours	3-4 Hours
Max DC Current		80A	80A	80A
Voltage THD (Linear Load)		<5%	<5%	<5%
Peak Efficiency of inverter %		>90%	>90%	>90%
Output wave form (Micro Controller Based Pure Sine wave)		✓	✓	✓
Change Over Time		<10msec	<10msec	<10msec
Battery Chemistry		LFP (Prismatic)		
Backup Time		2 Hr @ Full Load*	1 Hr @ Full Load*	50 Min @ Full Load*
Suggested Load ~50 %		4 Hr, 15 Minutes	2 Hr	1 Hr, 30 Minutes
Suggested Load ~30 %		6 Hr, 45 Minutes	3 Hr, 30 Minutes	2; Hr, 45 Minutes
LCD Display	DC Voltage	✓	✓	✓
	Alarms	✓	✓	✓
EMI EMC		Meets IEC 61000		
Protections & Alarms	Over Load		✓	✓
	Battery Under Voltage	✓	✓	✓
	Battery Over Voltage	✓	✓	✓
	Over Temperature	✓	✓	✓
IP Protection Class		IP31		
Operating Temperature		0 °C - 50°C		
Storage Temperature		0 °C - 65°C		
Weight		<14kgs	<14kgs	<14kgs
Wall Mounting		✓	✓	✓
Common Applications		Home UPS	Home UPS	Home UPS
Dimensions (L x D x H) cms		51 x 28 x 10	51 x 28 x 10	51 x 28 x 10

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***Tentative Load Table**

Lights	4	8	8
Fans	2	4	6
TV	1	1	1

Available Colors

BUS-GREEN-GLOSS	D-A-GREY-GLOSS	LEMON YELLOW GLOSS	LIGHT BLUE GLOSS	RED ORANGE GLOSS	SIGNAL BLUE GLOSS
					
H2I00299S9	H6I00632S9	H3N00355S9	H1N00125S9	H5R02001S9	H1R05005S9

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