

**ELIT M Series**

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1-6 kW (LF) Inverter with Charger



MODEL	1012M	2012M	3012M	4024M	5024M	6024M
	1024M	2024M	3024M	4048M	5048M	6048M
<b>INVERTER OUTPUT</b>						
Continuous Output Power	1000W	2000W	3000W	4000W	5000W	6000W
Surge Rating(20s)	3000W	6000W	9000W	12000W	15000W	18000W
Output Waveform	Pure Sine Wave/Same as input(Bypass mode)					
Nominal Efficiency	>88%(Peak)					
Line Mode Efficiency	>95%					
Power Factor	0.9-1.0					
Nominal Output Voltage RMS	230Vac					
Output Voltage Regulation	±10% RMS					
Output Frequency	50/60Hz ± 0.3Hz					
Short Circuit Protection	Yes, Current Limit Function (Fault after 1 sec.)					
Typical Transfer Time	10 ms.					
THDi	< 3%					
<b>DC INPUT</b>						
Nominal Input Voltage	12.0Vdc (*2 for 24Vdc, *4 for 48Vdc)					
Minimum Start Voltage	10.0 Vdc					
Low Battery Alarm	10.5/11.0 Vdc					
Low Battery Trip	10.0/10.5 Vdc					
High Voltage Alarm & Fault	16.0Vdc					
Idle Consumption-Search Mode	< 25 W when Power Saver On					
<b>CHARGER</b>						
Input Voltage Range	Narrow : 194~243Vac; Wide : 164~243Vac					
Output Voltage	Depends on Battery Type					
Charger Breaker Rating	10	20	30			
Max Charge Rate (±5A)	15A ... 85A +/-5A					
Over Charge Protection Shutdown	15.7V for 12Vdc, 31.4V for 24Vdc, 62.8V for 48Vdc					
<b>BYPASS &amp; PROTECTION</b>						
Input Voltage Waveform	Sine Wave (Grid or Generator)					
Nominal Voltage	230Vac					
Low Voltage Trip	184Vac/154Vac±4%					
Low Voltage re Engage	194Vac/164Vac±4%					
High Voltage Trip	253Vac±4%					
High Voltage re Engage	243Vac±4%					
Max Input AC Voltage	270Vac					
Nominal Input Frequency	50Hz or 60Hz (Auto detect)					
Low Freq Trip	47±0.3Hz for 50Hz, 57±0.3Hz for 60Hz					
High Freq Trip	55±0.3Hz for 50Hz, 65±0.3Hz for 60Hz					
Output Short Circuit Protection	Circuit Breaker					
Max Bypass Current	30 A			40 A		
<b>MECHANICAL SPECIFICATIONS</b>						
Mounting	Wall mount					
Dimensions (DxWxH) mm	382x218x179	442x218x179	598x218x179			
Weight (Net/Gross) kg.	18/21	20/23	24/27	35/39	45/49	45/49
Display	Status LED's					
<b>STANDARDS</b>						
Standards	EN 60950-1; EN61000-3-2; EN61000-3-3:2005, EN55024:2003					

**HIGH FREQUENCY INVERTER**

ELIT M Series inverters are devices forming line voltage from 12V, 24V and 48V battery voltages used in daily life and business life. Thanks to practical uses, output isolation transformer structures and charging facilities, these units are used safely in land and sea vehicles and open spaces. Because generates output voltage in the form of Sinusoidal, they offer trouble-free solution to all kinds of loads such as computer, TV, refrigerator, lighting, engine load and so on.