

allowed to set the DIP switch.

3.3 Dimension and Weight

●Dimension

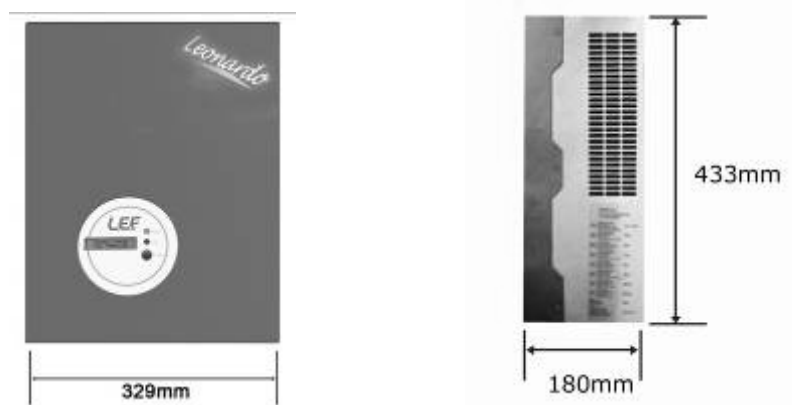


Figure 4 LT3000/LT4000/LT5000

●Weight

Table 1 Weight

Model	LT3000	LT4000	LT5000
Weight	17.8Kg	18.6Kg	18.7Kg

4 Technical Data

4.1 DC Input

Model	LT3000	LT4000	LT5000
Max. DC Input Power	3480 Wp	4580 Wp	5200 Wp
Max. DC Voltage	550 V		
Max. DC Current	17.5 A	22 A	26 A
MPP Tracking No.	1		
MPPT Voltage Range	200V-500 V	200V-500 V	200V-500 V
No. of DC Inputs	2		
Switch on/off Voltage	100 V /70 V		

4.2 AC Output

Model	LT3000	LT4000	LT5000
Rated Output Power	3000 W	4000 W	4600 W
Max. Output Power	3300 W	4400 W	5000 W
Max. Output Current	16 A	22 A	24 A
On-grid Connection	Single-phase		
On-grid Voltage Range	180 V -270 V		
On-grid Frequency Range	47 Hz -52 Hz/57 Hz -61.5 Hz		
Power Factor	>0.99		
THD	<3% (Rated power)		

4.3 Efficiency, Safety and Protection

Model	LT3000	LT4000	LT5000
Max. Efficiency	97.4%	97.6%	97.6%
Euro Efficiency	96.5%	97.1%	96.8%
MPPT Efficiency	99.9%		
Safety & Protection			
Over voltage Protection	Yes		
DC isolation Impedance Monitoring	Yes		
Ground Fault Protection	Yes		
Grid Monitoring	Yes		
Ground Fault Current monitoring	Yes		
DC Injection Monitoring	Yes		

4.4 General Data

Model	LT3000	LT4000	LT5000
Dimension (W/H/D)	328*433*180mm		

Weight	17.8kg	18.6 kg	18.7kg
Installation	Wall-mounted		
Operating Temperature Range	-20 °C ~ +60 °C (derating at 45 °C)		
Relative Humidity	0% ~ 95%, no condensation		
Altitude	<2000m		
Protection Level	IP 65		
Isolation Type	Transformerless		
Night-time Consumption	0 W		
Operating Loss	<10 W		
Cooling	Natural Cooling	Fan Cooling	
Noise Level	< 28dBA	<40dBA	<40dBA
Communication Interface	RS485/RS232		
Standard Warranty	5 years		

5 Function

Operation Mode

【Stand-by Mode】

The stand-by mode means that the inverter is ready to but still not connect to the grid. Under this mode, it will continue check if PV array has enough power to feedback into grid. When the inverter passes dump load test after startup, it will change from stand-by mode to Checking mode.

【Checking Mode】

If inverter passed dump load test and no error/fault occurs, starts checking to deliver power.

【On-Grid Mode】

Under this mode, LEONARDO Series inverters convert PV array's DC into AC and