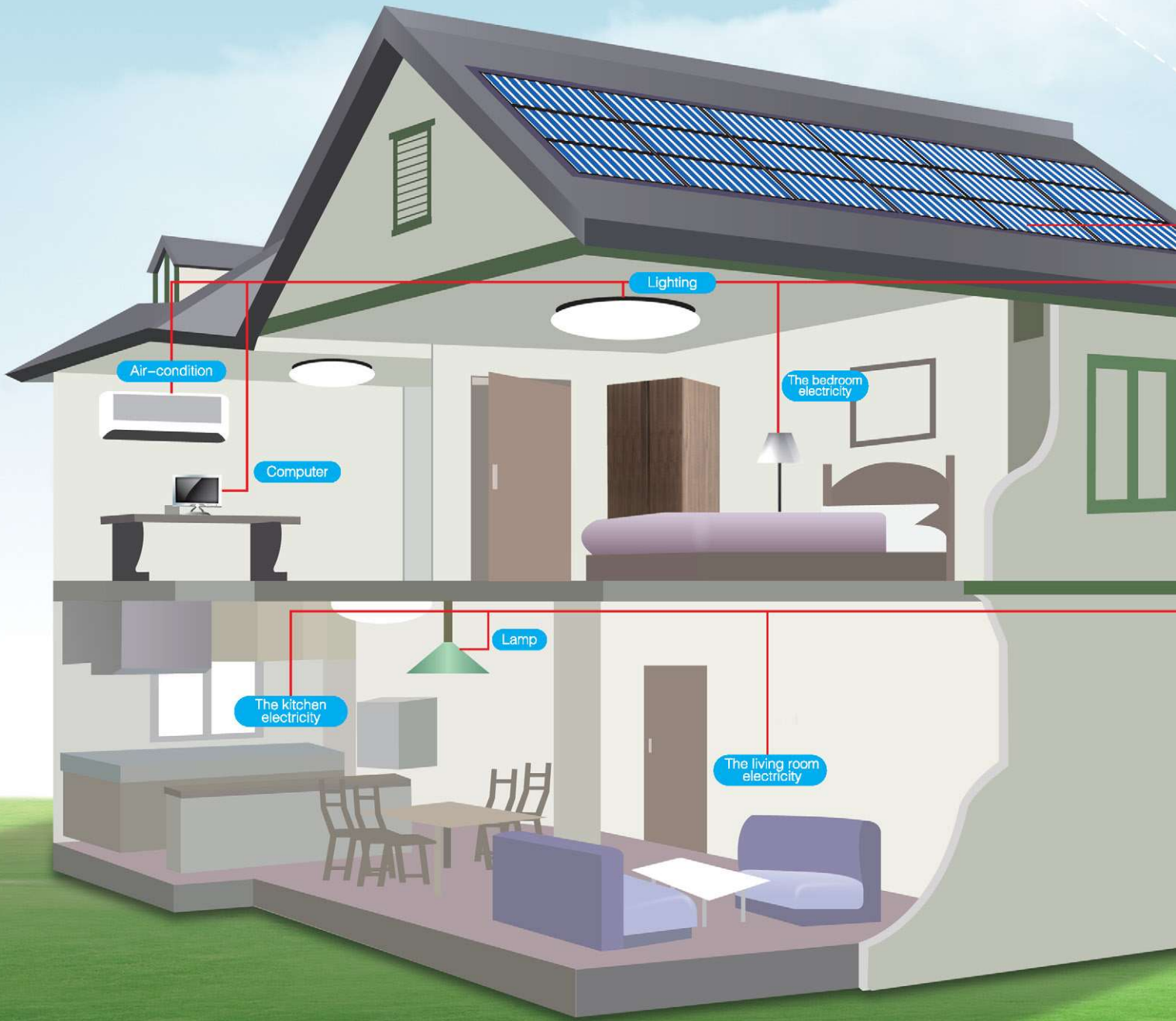


LITTO NEW ENERGY PRODUCT INTRODUCTION INVERTER

逆变器产品手册

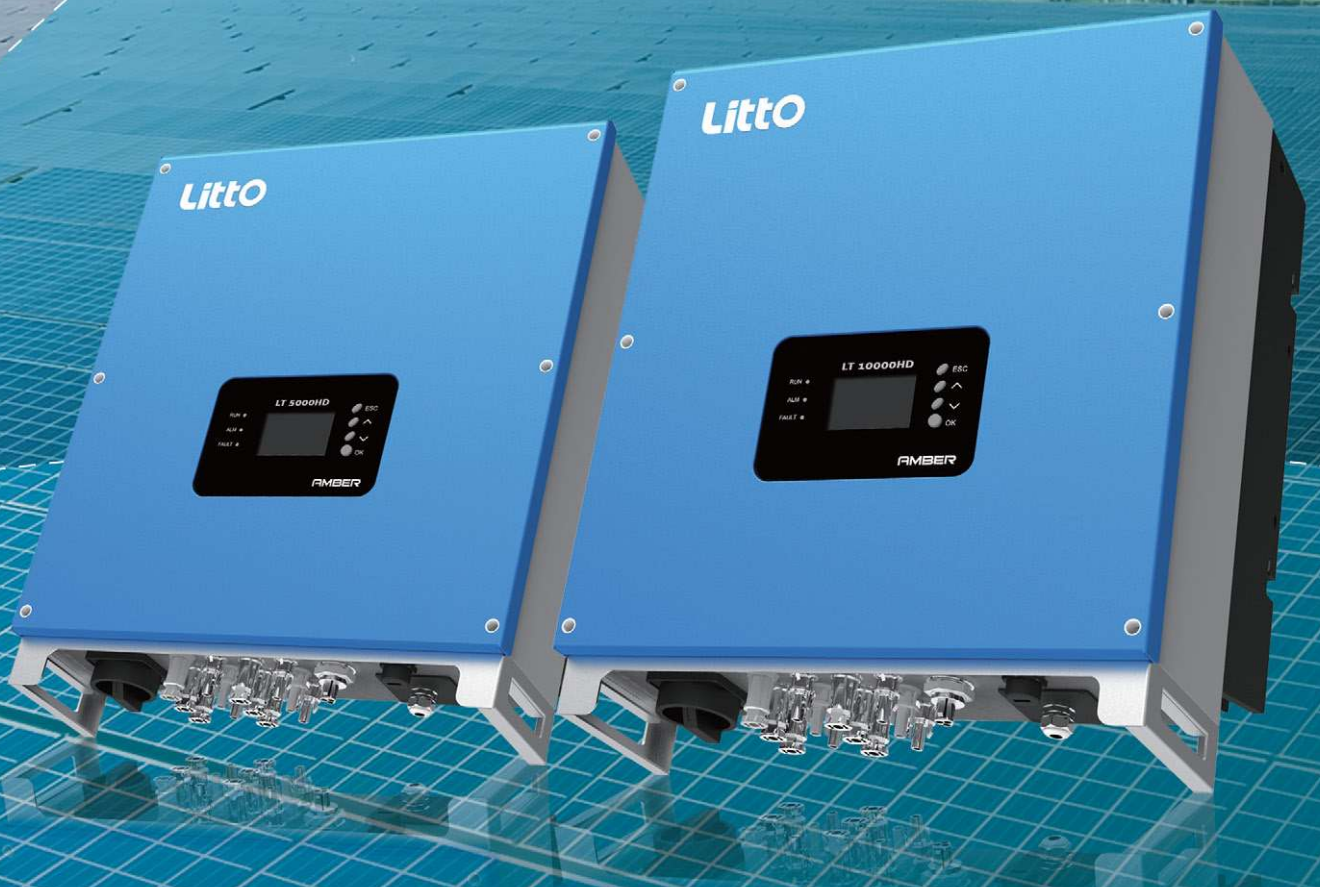
Change Future, Unchange Nature



AMBER SERIES

- Wide input voltage, DC input voltage up to 1000V
- Maximum efficiency of 98.5%
- Standard configuration USB/WIFI, monitoring more flexible, more convenient
- T three level design, more efficient, more power generation
- Internal DC Switch
- Compact design, no fan, low noise technique
- Fanless design, easy maintenance
- IP65 compatible
- Small size, light weight, easy installation
- Film capacitor design, 25 years of design service life





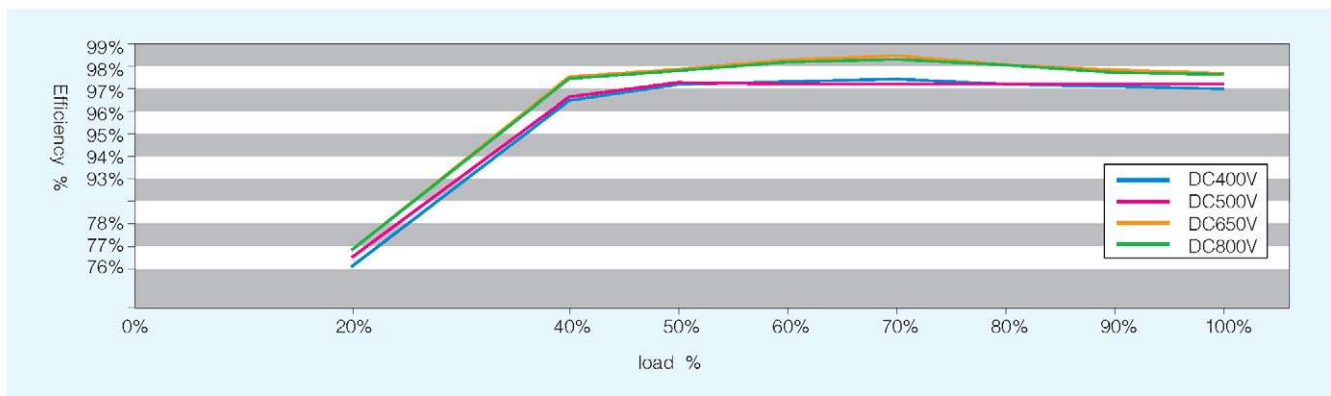


LT 5000HD/LT 6000HD/LT 8000HD/LT 10000HD

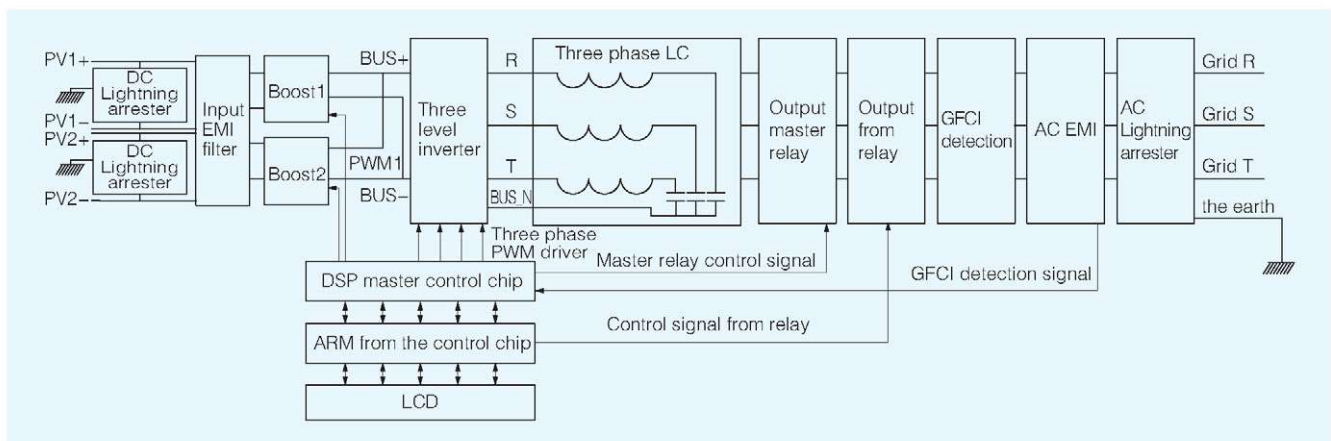
Leading - edge technology

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Efficiency curve



Circuit diagram



Technical specifications

DATASHEET	LT 5000HD	LT 6000HD	LT 8000HD	LT 10000HD
DC INPUT PARAMETER				
Max. DC power	6500W	8000W	10000W	14000W
Max. DC voltage	1000Vdc	1000Vdc	1000Vdc	1000Vdc
Rated DC voltage	600 Vdc	600 Vdc	600 Vdc	600 Vdc
MPPT operation voltage range	250–800 Vdc	250–800 Vdc	250–800 Vdc	250–800 Vdc
MPPT full load voltage range	250–800 Vdc	250–800 Vdc	400–800 Vdc	400–800 Vdc
Input channels	A:2/B:2	A:2/B:2	A:2/B2	A:2/B2
MPPT tracking number	2	2	2	2
Max. input current	24A/24A	24A/24A	24A/24A	24A/24A
DC connection type	MC4 terminal	MC4 terminal	MC4terminal	MC4 terminal
AC OUTPUT PARAMETERS				
Max.output apparent power	5500VA	6600VA	8800VA	11000VA
Rated output power	5500W	6600W	8800W	11000W
Rated grid voltage	3/N/PE:220/380V 3/N/PE:230/400V 3/N/PE:240/415V	3/N/PE:220/380V 3/N/PE:230/400V 3/N/PE:240/415V	3/N/PE:220/380V 3/N/PE:230/400V 3/N/PE:240/415V	3/N/PE:220/380V 3/N/PE:230/400V 3/N/PE:240/415V
Grid voltage range per phase	184V–276V	184V–276V	184V–276V	184V–276V
Rated power grid frequency	50 Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50 Hz/60Hz
Grid frequency range	45–55Hz/55–65Hz	45–55Hz/55–65Hz	45–55Hz/55–65Hz	45–55Hz/55–65Hz
Max. output current	8.1A per phase	9.7A per phase	13A per phase	16.2A per phase
Power factor (cos ϕ)	0.8i...1...0.8c	0.8i...i...0.8c	0.8i...i...0.8c	0.8i...i...0.8c
Current harmonics (THDI)	<3% (under Rated output power)	<3% (under Rated output power)	<3% (under Rated output power)	<3% (under Rated output power)
AC output terminal connection type	plug and play terminal	plug and play terminal	plug and play terminal	plug and play terminal
EFFICIENCY				
Max. efficiency	98.0 %	98.2%	98.5%	98.5%
EU efficiency	97.3%	97.5%	97.8%	97.8%
MPPT efficiency	99.8%	99.8%	99.8%	99.8%
GENERAL DATA				
(W / D / H) size	400 × 480 × 250 mm			
N.W	20Kg			
Install way	Wall hanging fixed			
Operating temperature range	- 25 ° C ~ +60 ° C			
Max. altitude	2000m			
Relative temperature	0%–98% No condensation			
Noise	≤ 30dB(A)			
Night consumption	0 W			
Electrical isolation	Transformerless			
Cooling mode	Air natural convection			
Overall protection level	IP65			
Communication interface	USB/WIFI/RS-485			
CERTIFICATES AND APPROVALS				
Safety standard	EN 62109,AS/NZS 3100			
Electromagnetic compatibility standard	EN 61000–6–1,EN61000–6–2, EN61000–6–3, EN61000–6–4, EN61000–3–11, EN61000–3–12			
Grid connected standard	VDE–AR–4105,VDE0126–1–1,G59/2,AS4777,CQC			