

■ PRODUCT INTRODUCTION

Three Phase Storage Inverter with Two MPPT

CBG-LF4-12KW-TPM-S

MAX 98.2% EFFICIENCY

IP65 PROTECTION





Max. efficiency up to 98.2%

110%

Up to 110% phase unbalanced output available on both ongrid and back-up outputs.

Support back-up paralleling connection of up to 10 units.

Oled display+App, two ways for data checking and management

UPS



135-750V wide battery connection range to store more energy and optimize self-sufficiency rate.

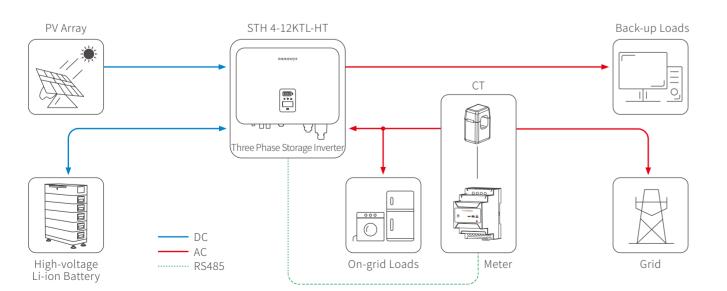
- (<u>*</u>125%)

Arbitrary phase of back-up output allows up to 125% overloading ability.



Maximum 200% back-up output overloading @60s.

Uninterruptible power supply, switch to off-grid mode within 10ms



Technical Parameters

CBG-LF4-12KW-TPM-S

	Model	CBG-4KTL-HT	CBG- 5KTL-HT	CBG-6KTL-HT	CBG-8KTL-HT	CBG-10KTL-HT	CBG-12KTL-HT
PV Input	Max. Input Power (W)	6,400	8,000	9,600	12,800	16,000	19,200
	Start-up Voltage (V)	150	150	180	180	180	180
	Max. DC Input Voltage (V)	1,000	1,000	1,000	1,000	1,000	1,000
	Rated DC Input Voltage (V)	620	620	620	620	620	620
	MPPT Voltage Range (V)	150-850	150-850	200-850	200-850	200-850	200-850
	No. of MPP Trackers	2	2	2	2	2	2
	No. of PV Inputs	1/1	1/1	1/1	1/1	1/1	1/1
	Max. Input Current (A)	13/13	13/13	13/13	13/13	13/13	13/13
	Max. Short-circuit Current (A)	18/18	18/18	18/18	18/18	18/18	18/18
	Battery Type	Lithium Battery (with BMS)					
Battery	Battery Communication Mode	CAN/RS485					
	Battery Voltage Range (V)	135-750					
	Max. Charge/Discharge Current (A)	25/25					
	Rated Current of Built-in Fuse (A)	63					
	Rated Output Power (W)	4,000	5,000	6,000	8,000	10,000	12,000
	Max. Output Power (W)	4,400	5,500	6,600	8,800	11,000	13,200
Output (Grid)	Max. Apparent Power (VA)	4,400	5,500	6,600	8,800	11,000	13,200
	Max. Input Apparent Power (VA)	8,000 ①	10,000 ^①	12,000 ^①	16,000 ^①	16,500 ^①	16,500 ^①
	Max. Charging Power of Battery (W)	4,000	5,000	6,000	8,000	10,000	12,000
	Rated Output Voltage (V)	3L/N/PE, 230/400V					
, ,	Rated AC Frequency (Hz)	50/60Hz 45-55Hz/55-65Hz					
	Max. Output Current (A)	6.7	8.3	10	13.3	16.5	20
	Power Factor	0.8 leading ··· 0.8 lagging					
	Max. Total Harmonic Distortion	<3% @Rated Output Power					
	DCI	< 0.5%In					
	UPS Switching Time	<10ms					
Output (Back-up)	Rated Output Voltage (V)	3L/N/PE, 230/400V					
	Rated AC Frequency (Hz)	50/60Hz 45-55Hz/55-65Hz					
	Max. Apparent Power (VA)	4,400	5,500	6,600	8,800	11,000	13,200
	Peak output apparent power (VA)	8,000 [©] , 60s	10,000 ^② , 60s	12,000 ^② , 60s	16,000 ^② , 60s	20,000 ^② , 60s	20,000 [©] , 60s
	Peak Output Apparent Power/per Phase (VA)	1,600 ^③	2,100 [®]	2,600 ³	3,300®	4,000 ^③	5,000 [®]
	Voltage Harmonic Distortion	<3% @Linear Load					
Efficiency	Max. Efficiency	98.1%	98.1%	98.1%	98.2%	98.2%	98.2%
	European Efficiency	97.3%	97.3%	97.3%	97.4%	97.4%	97.4%
	Max. Battery Charging Conversion Efficiency	97.2%	97.2%	97.2%	97.3%	97.3%	97.3%
	Max. Battery Discharge Conversion Efficiency	97.2%	97.2%	97.2%	97.3%	97.3%	97.3%
Protection			General	Data			

Integrated			
Integrated			
Integrated			
Optional			
Integrated			
Integrated			
Integrated			
Frequency Shift, Integrated			
Integrated			
Integrated			
Integrated			

550W*410H*175D			
26~28			
IP65			
< 15			
Transformer less			
-30~60			
0~100%			
4000 (derating@ > 3000)			
Natural Convection			
<25			
OLED & LED			
WiFi / LAN (Optional)			