Three Phase Hybrid Inverter

SUN-5/8/10/15K-SG01HP3-US-AM2



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6



- (**100**) 100% unbalanced output, each phase
 - AC couple to retrofit existing solar system
 - *Max. 10pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel
 - Max. charging/discharging current of 50A
 - High voltage battery, higher efficiency
 - 6 time periods for battery charging/discharging

Support storing energy from diesel generator

Technical Data

SUN-5K-SG01HP3 -US-AM2	SUN-8K-SG01HP3 -US-AM2	SUN-10K-SG01HP3 -US-AM2	SUN-15K-SG01HP3 -US-AM2		
Lithium-ion					
160-500					
50					
50					
1					
Self-adaption to BMS					
6500	10400	13000	19500		
	5	550			
180					
	150	0-500			
163-500	227-500	250-500	317-500		
100 300			017 500		
20+20	-		26+26		
30+30	39+30	39+39			
1+1	2+1	1	.2		
1.1	2.1	<u>_</u> .	-		
5000	8000	10000	15000		
			15000		
			41.7		
			41.7		
			41.7		
			40		
	1.5 time of rat				
13.9/80/13.9	22.3/80/22.3	27.8/80/27.8	41.7/80/41.7		
	0.8 leading t	o 0.8 lagging			
60Hz; 3L/N/PE 120/208Vac					
Three Phase					
<3% (of nominal power)					
	<0.	5% In			
	97.	.60%			
97.00%					
99.90%					
Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge Protection					
	DC Type I	I/AC Type III			
	IEEE 1547	.1, SRD V2.0			
FCC, UL 1741					
	-40-60°C, >4	15°C Derating			
Smart Cooling					
≤55 dB					
CAN					
408×648×247 (Excluding Connectors and Brackets) TYPE 3R					
	TYP	PE 3R	Wall-mounted		
	-US-AM2	-US-AM2 -US-AM2 Lithin 160 160 160 5elf-adap 5elf-adap 6500 10400 6500 10400 163-500 227-500 20+20 26+20 30+30 39+30 1+1 2+1 5000 8000 5000 8000 5000 8000 13.9 22.3 13.9 22.3 13.9 22.3 13.9 22.3 13.9 22.3 13.9 22.3 13.9/80/13.9 22.3/80/22.3 0.8 leading t 60Hz; 3L/N/f 13.9/80/13.9 22.3/80/22.3 0.8 leading t 60Hz; 3L/N/f 13.9/80/13.9 22.3/80/22.3 0.8 leading t 60Hz; 3L/N/f 10.5 Under the other second to the	-US-AM2 -US-AM2 -US-AM2 Lithium-ion 160-500 50 50 1 Self-adaption to BMS 6500 10400 13000 550 180 150-500 163-500 227-500 250-500 163-500 227-500 264-20 20+20 264-20 264 30+30 39+30 39+4 20+20 264-20 264 30+30 39+30 39+4 22 23 27.8 13.9 22.3 27.8 13.9 22.3 27.8 13.9 22.3 27.8 13.9 22.3 27.8 13.9 22.3 27.8 13.9 22.3 27.8 13.9 22.3 27.8 13.9 22.3 27.8 13.9 22.3 27.8 13.9 22.3 27.8 13.9 60/12.3 L/N/PE 120/208Vac <		

*Note: Parallel operation for 5 inverters is usable. Parallel operation is currently being tested for up to ten inverters. The prerequisite for parallel operation is that only Deye high-voltage inverters with the same power and Deye high-voltage storage battery can be used.