Upsolar www.upsolar.com

Single Phase
Hybrid Inverter

UP1-Hybrid

High Voltage

Simple.
Reliable.
Efficient

- 6000W Charger/ Discharger Rate
- EPS — 3 Inverter Models
- IP65 Rated
- Remote Monitoring

3kW 3.7kW

UP1-HYBRID-3.0T / UP1-HYBRID-3.7T
UP1-HYBRID-4.6T / UP1-HYBRID-5.0T

Upsolar is delighted to announce the launch of the eagerly anticipated third generation of our market-leading solar battery storage product Hybrid inverter. The UP-Hybrid battery storage inverter is compatible with the leading lithium-ion battery solutions available on the market today making it the most popular energy storage solution.

Version: E,C,I
E:with EPS function C:without EPS function
I:internal EPS function device

Global: +86 21 62770900

UP1-HYBIRD

SINGLE PHASE

	UP1-HYBRID-3.0-D UP1-HYBRID-3.0-N			UP1-HYBRID-3.7-D UP1-HYBRID-3.7-N			UP1-HYBRID-5.0-D UP1-HYBRID-5.0-N		
DC INPUT	C Version	E Version	I Version	C Version	E Version	I Version	C Version	E Version	I Version
Max. PV array input power [Wp]		4500			5550			7500	
Max. PV input voltage [V]		600			600			600	
Start startup voltage [V]		150			150			150	
Nominal input voltage [V]		360			360			360	
MPP tracker voltage range [V]		125~550			125~550			125~550	
No. of MPP trackers/Strings per MPP tracker		2(1/1)			2(1/1)			2(1/1)	
Max. input current(input A/input B) [A]		12			12			12	
Max. short circuit current(input A/input B) [A]		14			14			14	
AC INPUT & OUTPUT									
Nominal AC output power [W]		3000			3680			4999	
Nominal AC output current [A]		13			16			21.7	
Max. AC output apparent power [VA]		3300			4048(3680 for G98)			5500(4999 for AS4777;4600 for VDE4105)	
Max. AC output current [A]		14.3			16			23.9 (20 for VDE4105;21.7 for AS4777)	
Max. AC input apparent power [VA]	3000	3000	7000	3680	3680	7680	4999	4999	9999
Max. AC input current [A]	14.4	14.4	36.1	16.0	16.0	37.7	21.7	21.7	47.7
Nominal AC voltage [V]				220/230/240					
Nominal grid frequency/Grid frequency range [Hz]				50/60; ±5					
Displacement power factor				0.8 leading~0.8 lagging					
THDi,rated power [%]				<2					
Battery Data									
Battery Type				Li-ion battery/Lead-acid battery					
Battery voltage range [V]				85~400					
Max.continuous charge/discharge current [A]				20					
OFF-GRID OUTPUT (With battery)									
Nominal output power [W]*1		4000			4000			5000	
Peak apparent power [VA]*1		6000, 10s			6000, 10s			8000, 10s	
Max.continous current [A]		21.7			21.7			26.0	
Nominal Voltage[V]/Frequency [Hz]				50/60					
THDv(Linear Load) [%]				<2					
Switch time to off-grid mode [ms]				<20 for I version / <500 for E version					
Parallel Operation				YES					
SYSTEM DATA									
Max.efficient [%]				97.8					
Euro. efficient [%]				97.0					
Battery charge/discharge effciency [%]				98.5 (PV-BAT) 97.0 (BAT-AC)					
Standby consumption [W] @Night				<15 for hot standby, <3 for cold standby					
Degree of protection				IP65					
Operating temperature range [°C]				-20~+60 (derating at 45°C)					
Max. operation altitude [m]				<2000					
Humidity [%]				0~100 (non-condensing)					
Typical noise emission [dB]				40					
Storage temperature [°C]				-40~60					
Dimensions[W×H×D] [mm]				476*464*180					
Weight [kg]				24					
Cooling concept				Natural					
Communication interfaces				Ethernet/Meter/Pocket WiFi(optional)/Pocket LAN(optional)/Pocket GPRS(optional)/DRM/USB/ISO alarm/CT/NTC					
STANDARD									
Safety				EN/IEC62109-1/-2					
EMC				EN61000-6-1/2/3/4;EN61000-3-2/3/11/12					
Certification				VDE 0126-1-1 A1:2012 / VDE-AR-N 4105 /G99 /G98 / AS4777 / EN50549/ CEI 0-21 /VDE 2510 / and so on					