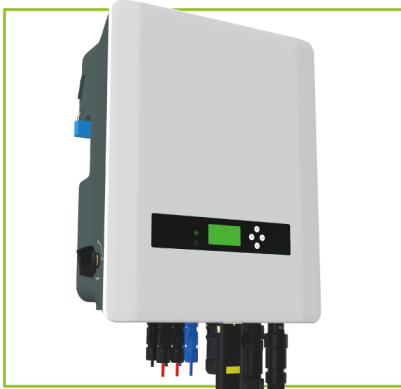


Technical parameters of 3-6KW single phase hybrid inverter



97.8%

Maximum conversion efficiency

13.5A

Maximum PV input current

20ms

UPS uninterruptible power supply

35A

Maximum charge and discharge current

Model name	A1-HV-3.0	A1-HV-4.6	A1-HV-5.0	A1-HV-6.0
Battery type	lithium battery			
Battery voltage range[V]	85-450			
Recommended battery voltage[V]	300Vdc			
Maximum charging/discharging power[W]	6000W			
Maximum charging current[A]	35			
Maximum discharge current[A]	35			
communication interface	CAN/RS485			
Reverse connection protection	YES			
INPUT PV				
Maximum recommended DC power[W]	3900	5980	6500	7800
Maximum DC voltage[V]	600			
Rated DC working voltage[V]	360			
Maximum input current (input A/input B) [A]	A: 13.5/B: 13.5			
Maximum short-circuit current (input A/input B) [A]	A: 15/B: 15			
MPPT voltage range[V]	80-550	80-550	80-550	80-550
Starting voltage[V]	75	75	75	75
independent MPPT circuit number	2	2	2	2
Number of MPPT strings per channel	1	1	1	1
DC switch	Optional			
EPS output (with battery)				
EPS maximum power[VA]	5000	6000	6000	6600
EPS rated power[VA]	4000	5000	5000	6000
EPS rated voltage[V], frequency[Hz]	230Vac, 50/60			
EPS rated current[A]	17.4	21.7	21.7	26.1
EPS peak power[W]	7200, 10s			
Switching time[s]	<20ms			
Total voltage harmonic distortion rate (THDV, linear load)	<2%			
Compatible with generator	YES			