DAHAI SOLAR



Single Phase Hybrid Inverter

HyS-3/3.6/4/4.6/5/6/8K

Model	HyS3K	HyS3.6K	HyS4K	HyS4.6K	HyS5K	HyS6K	HyS8K
Battery Input Data							
Battery Type	Lithium or lead acid battery						
Rated Battery Voltage(V)	48						
Maximum Charging Voltage(V)	≤60 (Configurable)						
Maximum Charge/Discharge Current(A)	75	90	100	110	120	120	190
PV Input Data							
Maximum DC Input Power(kw)	6	7.2	8	9.2	10	12	16
Maximum DC Input Voltage(V)	500						
MPPT Operating Voltage Range(V)	150~450						
Starting Voltage(V)	125						
Maximum Input Current(A)	18	18/18	18/18	18/18	18/18	18/18	30/18
MPPT Number	1	2	2	2	2	2	2
AC Output Parameters (On-Grid)							
Maximum Output Apparent Power (KW)	3.3	3.96	4.4	5	5.5	6	8.8
Rated Output Voltage(V)	220/230						
Rated Output Frequency(Hz)	50/60HZ						
Max. Output Current(A)	15	18	20	22	25	27	40
Output Power Factor	~1 (-0.8 leading~+0.8 lagging)						
AC Output Parameters(Off-Grid)							
Rated Output Apparent Power(VA)	3000	3600	4000	4600	5000	6000	8000
Maximum Output Apparent Power(VA)	>200%,15sec						
Rated Output Voltage(V)	220/230						
Rated Output Frequency(Hz)	50/60(±0.2%)						
Max. Output Current(A)	14	16	18	21	23	27	40
Efficiency							
Max. Efficiency(PV)	98%						
Max. Efficiency(battery)	94.5%						
Europe. Efficiency	97.5%						
Protection							
PV Input Reverse Polarity Protection	Yes						
PV Insulation Resistance Detection	Yes						
Residual Current Detection	Yes						
Output Over Current Protection	Yes						
Output Short Circuit Protection	Yes						
Output Over Voltage Protection	Yes						
Basic Data							
Operation Temperature (°C)	-25~60						
Storage Temperature (°C)	-30~65						
Relative Humidity	0~95%						
Working Altitude (m)	≤4000m (frequency-decreasing above 2000m)						
Cooling	Intelligent forced air cooling						
Noise (db)	<55						
Weight (Kg)	21.5						
Size (Width x Height x Depth) (mm)	427*554*198						
Protection Class	IP66						
Topology	HF isolation (Battery side)						