

6-10KW Three-Phase Hybrid Inverter				
Model		EST-6K0H	EST-8K0H	EST-10K0H
Efficiency	Max.Efficiency	> 98.2%		
PV Input and Output	Max. PV input power(W)	7800	10400	13000
	Max. PV input voltage(V)	1000		
	MPP Operation Voltage Range(V)	180-900		
	Max. number of PV strings per MPPT	2PCS/(1+1)PCS	2PCS/(1+1)PCS	
	Max. PV input current(A)	12.5/12.5	12.5/12.5	
	Short-circuit current of PV input(A)	13.5/13.5	13.5/13.5	
	Start up voltage(V)	180		
Battery Input	Max Input/Output Voltage(V)	550		
	Operating Voltage Range(V)	180-550		
	Max Charge/Discharge Current(A)	25/30		
	Max Input/Output Power(W)	6000/6000	8000/8000	10000/10000
Battery Type	Li-ion/Lead-acid			
AC Input and Output	Rated Power(W)	6000	8000	10000
	Max. Apparent AC Power(VA)	6000	8000	10000
	Nominal AC Voltage(Vac)	380,3L/N/PE		
	AC Power Frequency(Hz)	50/60		
	Max. AC Output Current(A)	10	12	15
	Rated Current Output(A)	10	12	15
	Power Factor Range	~1 (Adjustable from 0.8 leading to 0.8 lagging)		
	OutputTHDi(@Nominal Output)	<3%		
Off-Grid AC Output(Back-up AC Output )	Rated Output Power(W)	6000	8000	10000
	Max. Apparent AC Output Power(VA)	6000	8000	10000
	Nominal AC Output Voltage(Vac)	380,3L/N/PE		
	AC Power Frequency(Hz)	50/60		
	Max. AC Output Current(A)	10	12	15
General Data	Operating Temperature Range	-25°C ... +60°C(>45°C derating)		
	Operating Altitude(m)	<4000		
	Noise(dB)	<40		
	Topology	Transformerless		
	Cooling Method	Natural convection		
	Ingress Protection Rating	IP65		
	Relative Humidity	0-100%, no condensation		
	DC Connection Type	MC/Amphenol/Phoenix		
	AC Connection Type	Plug-in Connector		
	Display	LCD		
	Communication With Portal	RS485 (WiFi/GPRS Optinal)		
	Communication With BMS	CAN		
	Communication With Meter	RS485		
	Mounting Method	Wall-mounting bracket		
	Dimensions (W*H*D)(mm)	505*570*220		
Weight(Kg)	23	23	24	
Certification	Safety	IEC62109-1/-2		
	EMC	EN61000-6-1/-2/-3,IEC61000		
	On-Grid standard	AS4777.2,NRS097-2-1:2017		
Country of origin	Made in China			