



HYBRID SOLAR INVERTER – Where Sunshine Meets Backup Power.

Technical Data

MODEL	FT8648EMH		FT811000EMH	
Capacity	8.6KVA/8.6KW		11KVA/11KW	
Maximum PV Input Power	10KW		11KW	
Parallel Capability	NO		NO	
Lithium Battery Activation	YES (By PV or Utility)			
Lithium Battery Communication	YES(RS485)			
Built-in WIFI	Optional			
INPUT				
Nominal Voltage	230VAC			
Acceptable Voltage Range	170-280VAC(For personal Computer);90-280VAC(For Home Appliances)			
Frequency	50/60 Hz (Auto sensing)			
OUTPUT				
Nominal Voltage	220/230/240VAC			
Surge Power	17000VA		22000VA	
Frequency	50/60 Hz			
Waveform	Pure Sine wave			
Dual Outputs	YES			
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)			
Peak Efficiency	94%			
Overload Protection	5s@ > =140% load; 10s@110%~140% load			
Admissible Power Factor	0.6~1 (inductive or capacitive)			
BATTERY				
Battery Voltage	48VDC		48VDC	
Maximum Discharge Current	180A		220A	
Floating Charge Voltage	54VDC		54VDC	
OverCharge Protection	63VDC		63VDC	
Charging Method	CC/CV			
SOLAR CHARGER & AC CHARGER				
Solar Charger TYPE	MPPT		MPPT	
Max.PV Array Power	5000W*2		5500W*2	
Max. PV Array Open Circuit Voltage	500VDC		500VDC	
PV Array MPPT Voltage Range	60VDC~500VDC		60VDC~500VDC	
Max. Solar Input Current	18A*2		18A*2	
Max. Solar Charge Current	140A		160A	
Max. AC Charge Current	120A		120A	
Max. Charge Current	140A		160A	
PHYSICAL				
Dimensions, D x W x H(mm)	540x403x122		540x403x122	
Package Dimensions,D x W x H(mm)	637x495x214		637x495x214	
Net Weight (Kgs)	14.5		14.8	
Communication Interface	RS232/RS485/DRY CONTACT			
LCD	Colorful Screen+RGB Light			
ENVIRONMENT				
Operating Temperature Range	-10°C to 55°C			
Storage temperature	-15°C~ 60°C			
Humidity	5% to 95% Relative Humidity (Non-condensing)			
Ingress Protection	IP21			

*Product specifications are subject to change without further notice.