



## Single Phase 3/6kW Hybrid Storage Inverter



High Efficiency  
Max.98%



Parallel Operation  
Up to 6 Units



MPPT 50-500Vdc(6KW)



IP65



Maximize PV Input  
Power(2 MPPTs)



2 Independent AC  
Inputs, 2 Outputs



CT  
Current  
Transformer



Wi-Fi

Model	FH-3000S-ECO		FH-6000S-ECO	
Phase	1-Phase IN /1-Phase OUT			
Maximum PV Input Power	4500W		4500W+4500W	
Rated Output Power	3000W		6000W	
Maximum Charging Power	3000W		6000W	
<b>Grid-Tied Operation</b>				
PV Input (dc)				
Maximum DC Voltage	/		520Vdc	
Start-up Voltage/Initial Feeding Voltage	/		90Vdc/120Vdc	
MPPT Voltage Range	/		50-500Vdc	
Number Of MPPT Trackers	/		2	
Maximum Input Current	/		18A	
Grid Output (AC)				
Nominal Output Voltage	/		220/230/240VAC	
Output Voltage Range	/		184-264.5VAC or 195.5-253VAC or 184-264.4 VAC(Selectable)	
Nominal Output Current	/		26.1A	
Power Factor	/		>0.99	
Efficiency				
Maximum Conversion Efficiency (DC/AC)	/		97%	
<b>Off-grid Operation</b>				
AC Input				
AC Start-up Voltage	/		170-280 VAC	
Acceptable Input Voltage Range	/		90-280 VAC/170-280VAC(UPS)	
Frequency Range	/		50 Hz/60 Hz(Auto sensing)	
Maximum Ac Input Current	16A		40A	
PV Input(DC)				
Maximum DC Voltage	500Vdc		520Vdc	
MPPT Voltage Range	60Vdc-450Vdc		50Vdc-500Vdc	
Number Of Mppt Trackers	1		2	
Maximum Input Current	/		18A	
Battery Mode Output(AC)				
Nominal Output Voltage	/		220/230/240VAC	
Output Waveform	/		Pure sine wave	
Efficiency (DC to AC)	/		93%	
<b>Hybrid Operation</b>				
PV Input(DC)				
Maximum DC Voltage	500Vdc		520Vdc	
Start-up Voltage	/		90Vdc	
Initial Feeding Voltage	/		120Vdc	
MPPT Voltage Range	60Vdc-450Vdc		50Vdc-500Vdc	
Number Of Mppt Trackers	1		2	
Maximum Input Current	/		18A	
Grid Output(AC)				
Nominal Output Voltage	/		220/230/240VAC	
Output Voltage Range	/		184-264.5VAC or 195.5-253VAC or 184-264.4VAC(Selectable)	
Nominal Output Current	13A		26.1A	
AC Input				
AC Start-up Voltage	/		170-280 VAC	
Acceptable Input Voltage Range	/		90-280VAC /170-280VAC	
Maximum AC Input Current	16A		40A	
Battery Mode Output(AC)				
Nominal Output Voltage	/		220/230/240VAC	
Efficiency (DC to AC)	/		93%	
Battery & Charger				
Nominal DC Voltage	24Vdc		48Vdc	
Maximum Solar Charging Current	100A		125A	
Maximum AC Charging Current	100A		125A	
Maximum Charging Current	100A		125A	
<b>General</b>				
Physical				
Dimension, D*W*H(mm)	451*353*160.2		471*444*200	
Net Weight (kg)	12.3		18.5	
Interface				
Parallel Function	/		Yes, 6 units	
Communication Port	RS232/RS485/Wi-Fi		RS485/CAN/Wi-Fi/Dry contact	
Environment				
Humidity	5% to 95% Relative Humidity(Non-condensing)			
IP Degree	IP65			
Operating Temperature	-10°C-50°C			
Storage Temperature	-15°C-60°C			

\* The AC voltage and frequency range can differ according to the grid standards of each country.

\* Please note that all specifications are subject to change without prior notice.