

# EVI Power®

## SMART HYBRID INVERTER Series | 2KVA ~ 6KVA



### Features

- Pure sine wave Inverter
- Hybrid Inverter that supports solar and utility power
- Optional remote monitoring with Wi-Fi module via mobile app
- Connect upto 9 units in parrallel and get upto 45,000W capacity
- MPPT solar charger
- Programmable supply priority for PV, Battery or Grid



### Wifi Module

- Real-time dynamic graphs of inverter data
- Cloud storage for history data and event log
- Remote monitoring and control of multiple inverters via mobile APP (IOS and Android)
- Parameter settings available (output setting, output priority setting, AC input range, battery setting etc.)



## Technical Specifications

MODEL NAME	EVI-SHI2000P	EVI-SHI3000P	EVI-SHI5000P	EVI-SHI6000P
CAPACITY ( VA / W)	2000 / 2000	3000 / 3000	5000 / 5000	6000 / 6000
PHASE	1-phase in / 1-phase out			
<b>GRID-TIE OPERATION</b>				
<b>PV INPUT (DC)</b>				
Nominal DC Voltage / Maximum DC Voltage	240 VDC / 450 VDC	360 VDC / 450 VDC	360 VDC / 450 VDC	360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	130VDC / 150 VDC	130VDC / 150 VDC	130VDC / 150 VDC	130VDC / 150 VDC
MPP Voltage Range	90 VDC ~ 430 VDC	120 VDC ~ 430 VDC	120 VDC ~ 430 VDC	120 VDC ~ 430 VDC
Number of MPP Trackers / Max Input Current	1 / 18 A	1 / 18A	1 / 18A	1 / 27A
<b>GRID OUTPUT (AC)</b>				
Nominal Output Voltage	220/230/240 VAC			
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)			
Nominal Output Current	8.7A	13A	21.7A	26A
Power Factor	>0.99			
Maximum Conversion Efficiency (DC/AC)	95%	95%	95%	95%
<b>OFF-GRID OPERATION</b>				
<b>AC INPUT</b>				
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC			
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC			
Frequency Range	50 Hz/60 Hz (Auto sensing)			
Maximum AC Input Current	30 A	40 A	40 A	40 A
<b>PV INPUT (DC)</b>				
Maximum DC Voltage	450 VDC	450 VDC	450 VDC	500 VDC
MPP Voltage Range	90 VDC ~ 430 VDC	120 VDC ~ 430 VDC	120 VDC ~ 430 VDC	120 VDC ~ 430 VDC
Number of MPP Trackers / Max Input Current	1 / 18 A	1 / 18A	1 / 18A	1 / 27A
<b>BATTERY MODE OUTPUT (AC)</b>				
Nominal Output Voltage	220/230/240 VAC			
Output Waveform	Pure sine wave			
Efficiency (DC to AC)	93%			
<b>HYBRID OPERATION</b>				
<b>PV INPUT (DC)</b>				
Nominal DC Voltage / Maximum DC Voltage	240 VDC / 450 VDC	360 VDC / 450 VDC	360 VDC / 450 VDC	360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	130VDC / 150 VDC	130VDC / 150 VDC	130VDC / 150 VDC	130VDC / 150 VDC
MPP Voltage Range	90 VDC ~ 430 VDC	120 VDC ~ 430 VDC	120 VDC ~ 430 VDC	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 18 A	1 / 18A	1 / 18A	1 / 27A
<b>GRID OUTPUT (AC)</b>				
Nominal Output Voltage	220/230/240 VAC			
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)			
Nominal Output Current	8.7A	13A	21.7A	26A
<b>AC INPUT</b>				
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC			
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC			
Maximum AC Input Current	30 A	40 A	40 A	40 A
<b>BATTERY MODE OUTPUT (AC)</b>				
Nominal Output Voltage	220/230/240 VAC			
Output Waveform	Pure sine wave			
Efficiency (DC to AC)	93%			
<b>BATTERY &amp; CHARGER</b>				
Nominal DC Voltage	48 VDC			
Maximum Solar Charging Current	60 A	60 A	100 A	120 A
Maximum AC Charging Current	60 A	60 A	100 A	120 A
Maximum Charging Current	60 A	60 A	100 A	120 A
<b>PHYSICAL</b>				
Dimension, D X W X H (mm)	120 x 295 x 468	120 x 295 x 468	120 x 295 x 468	120 x 295 x 468
Net Weight (kgs)	11	11	12	12
<b>INTERFACE</b>				
Parallel Function	Yes, 9 units	Yes, 9 units	Yes, 9 units	Yes, 9 units
Communication Port	USB or RS-232/Dry Contact			
<b>ENVIRONMENT</b>				
Humidity	0 ~ 90% RH (No condensing)			
Operating Temperature	-10°C to 50°C			