

# PCE®

P O W E R

## CASA HYBRID H3 3.6KW / 5.6KW / 6KW



*CASA HYBRID H3 is Equipped with a 4.3-inch color LCD, touchable button, and a customizable status LED ring with RGB lights*

- Customizable status LED bar with RGB lights
- Built-in wifi for mobile monitoring (Android/iOS Apps are available)
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Replaceable fan design for ease of maintenance
- Battery independent design
- onfigurable AC/PV output usage timer and prioritization
- Selectable high power charging current
- Selectable input voltage range for home appliances and personal computers
- Compatible to Utility Mains or generator input Built-in anti-dust kit
- Optional DC output for DC fan, LED bulb, router and so on
- Parallel operation up to 6 units

# CASA HYBRID H3

3.6KW / 5.6KW / 6KW



MODEL	Casa Hybrid 3.6kW	Casa Hybrid 5.6kW	Casa Hybrid 6kW
<b>PHASE</b>	1-phase in / 1-phase out		
<b>MAXIMUM PV INPUT POWER</b>	5000W	6000W	6500W
<b>RATED OUTPUT POWER</b>	3600W	5600W	6000W
<b>MAXIMUM CHARGING POWER</b>	5000W	6000W	6000W
<b>GRID-TIE OPERATION</b>			
<b>PV INPUT (DC)</b>			
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC	360 VDC / 450 VDC	360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	110VDC / 120 VDC	110VDC / 120 VDC	120VDC / 150 VDC
MPP Voltage Range	120 VDC ~ 430 VDC	120 VDC ~ 430 VDC	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 18 A	1 / 27 A	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	15.6A	24.3A	26.1A
Power Factor	> 0.9		
<b>EFFICIENCY</b>			
Maximum Conversion Efficiency (DC/AC)	96%	96%	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		
Maximum AC Input Current	40 A	40 A	40 A
<b>PV INPUT (DC)</b>			
Maximum DC Voltage	500 VDC	450 VDC	500 VDC
MPP Voltage Range	120 VDC ~ 430 VDC	120 VDC ~ 430 VDC	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 18 A	1 / 27 A	1 / 27 A
<b>BATTERY MODE OUTPUT (AC)</b>			
Nominal Output Voltage	220/230/240 VAC		
Output Waveform	Pure sinewave		
Efficiency (DC to AC)	93%	93%	93%
<b>HYBRID OPERATION</b>			
<b>PV INPUT (DC)</b>			
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC	360 VDC / 450 VDC	360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	110VDC / 120 VDC	110VDC / 120 VDC	120VDC / 150 VDC
MPP Voltage Range	120 VDC ~ 430 VDC	120 VDC ~ 430 VDC	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 18 A	1 / 27 A	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	15.6A	24.3A	26.1A
<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	40A	40A	40A
<b>BATTERY MODE OUTPUT (AC)</b>			
Nominal Output Voltage	220/230/240 VAC		
Efficiency (DC to AC)	93%	93%	93%
<b>BATTERY &amp; CHARGER</b>			
Nominal DC Voltage	48 VDC	48 VDC	48 VDC
Maximum Solar Charging Current	100A	120A	120A
Maximum AC Charging Current	100A	120A	120A
Maximum Charging Current	100A	120A	120A
<b>GENERAL</b>			
<b>PHYSICAL</b>			
Dimension, D x W x H (mm)	140 x 295 x 468		
Net Weight (kgs)	11	12	12
<b>INTERFACE</b>			
Parallel Function	Yes, 9 units		
Communication Port	USB/RS232/RS485/Wifi/Dry-contact		
<b>ENVIRONMENT</b>			
Humidity	0 ~ 90% RH (Non-condensing)		
Operating Temperature	-10 to 50°C		

Product specifications are subject to change without further notice.

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