

# Energy Save Plus

HYBRID INVERTER	SOLAR HYBRID PV-H Series			SOLAR HYBRID PV-L Series		
MODEL	PV-H 3KW	PV-H 5KW	PV-H 10KW	PV-L 1K	PV-L 4K	PV-L 5K
Phase	single	single	3 Phase	single	single	single
Maximum PV Input Power	4500 W	10000 W	14850 W	1000 W	4000 W	6000 W
Rated Output Power	3000 W	5000 W	10000 W	1000 W	4000 W	5000 W
<b>GRID-TIE OPERATION</b>						
<b>PV INPUT (DC)</b>						
Maximum PV Voltage	500 VDC	900 VDC	900 VDC	145 VDC		
MPPT Voltage Range	250 VDC ~ 450 VDC	250 VDC ~ 850 VDC	350 VDC ~ 850 VDC	15 ~ 115 VDC	60 ~ 115 VDC	60 ~ 115 VDC
Number of MPP Trackers	1	2	2	1	1	2
Nominal Output Voltage	208/220/230/240 VAC	208/220/230/240 VAC	230 V (N-P)/400 V (P-P)	184 - 265 VAC		
Nominal Output Current	13A	21A	14.5A / Phase	4.3A	17.4A	21.7A
Power Factor	>0.99			>0.99		
Max Conversion Efficiency	96%			90%		
<b>OFF-GRID OPERATION</b>						
Acceptable Input Voltage Range	170-280 VAC	170-280 VAC	170-280 VAC / Phase	90 - 280 VAC or 170 - 280 VAC		
Maximum AC Input Current	30A	40A	40A	30A	40A	40A
<b>BATTERY MODE OUTPUT (AC)</b>						
Nominal Output Voltage	208/220/230/240 VAC	208/220/230/240 VAC	230 V (N-P)/400 V (P-P)	220/230/240 VAC		
Output Waveform	Pure sine wave					
Efficiency (DC to AC)	93%	93%	91%	93%		
<b>HYBRID OPERATION</b>						
Maximum PV Voltage	500 VDC	900 VDC	900 VDC	145 VDC	145 VDC	145 VDC
MPPT Voltage Range	250 VDC ~ 450 VDC	250 VDC ~ 850 VDC	350 VDC ~ 850 VDC	15 ~ 115 VDC	60 ~ 115 VDC	60 ~ 115 VDC
Number of MPP Trackers	1	2	2	1	1	2
<b>GRID OUTPUT (AC)</b>						
Nominal Output Voltage	208/220/230/240 VAC	208/220/230/240 VAC	230 V (N-P)/400 V (P-P)	220/230/240 VAC		
Nominal Output Current	13A	21A	14.5A / Phase	4.3A	17.4A	21.7A
<b>AC INPUT</b>						
Acceptable Input Voltage Range	184-265 VAC			90 - 280 VAC or 170 - 280 VAC		
Maximum AC Input Current	30A	40A	40A	30A	40A	40A
<b>BATTERY &amp; CHARGER</b>						
Work without Battery	Yes	Yes	Yes	No	No	No
Nominal DC Voltage	48 VDC			12 VDC	48 VDC	48 VDC
Maximum Solar Charge Current	25A	100A	200A	80A		120A
Maximum Charge Current	25A	100A	200A	140A		180A
<b>GENERAL</b>						
On / Off Grid Function	Yes	Yes	Yes	Yes	Yes	Yes
Parallel Function	No	Yes	Yes	No	Yes	Yes
Parallel 3 Phase Function	No	No	Yes	No	Yes	Yes
Number of parallel	No	6	6	No	6	6
<b>PHYSICAL</b>						
Dimension, D X W X H (mm)	107x 438 x 480	204.2 x 460 x 600	167 x 500 x 622	100 x 300 x 440	120 x 295 x 468	190 x 295 x 483
Net Weight (kgs)	15.5	29	45	8	11	16
<b>INTERFACE</b>						
Communication Port	RS-232/USB and CAN Interface			USB or RS-232/Dry Contact		
Intelligent Slot	Optional SNMP, Modbus and AS-400 cards available			N/A		
<b>ENVIRONMENT</b>						
Humidity	0 ~ 90% RH (No condensing)					
Operating Temperature	0 - 40°C	-10 - 55°C	-10 - 55°C	0 ~ 90% RH (No condensing)		
Altitude	0 ~ 1000 m					
CE VDE-AR-N 4105 VDE 0126-1-1 AS4777,ASNZS3100,NRS-097-2-1 (only for PV-H 3KW )						

ราคายังไม่รวม Vat	39,500 บาท	78,000 บาท	125,000 บาท	16,500 บาท	29,900 บาท	46,500 บาท
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อัตราแลกเปลี่ยนเงิน USD ไม่เกิน 35 บาท