



IPC Mühendislik Elektrik Elektronik San. ve Tic. Ltd. Şti.

IPC SOLAR INVERTERS (ON-GRID HYBRID)



Hi Frequency On Grid Solar Inverter

PH5000 Series (2.5-6KW)

PH5000 series PV inverters take full account of the needs of end customers, with excellent performance at the same time, use LED as inverter status display, effectively improve product life. Using DSP digital control, could afford wide grid voltage range, have a full range of protection features; to maximize the benefits at the same time, greatly enhance the reliability of the product.

Features

- Rate power: 2.5-6KW
- Wide range of MPPT voltage 100-500V
- MPPT efficiency up to 99.50%
- Optional integrated anti-backflow control
- Multiple communications: USB,WIFI etc
- Monitoring inverters freely via mobile phones APP
- Continuous adjustable power factor
- Five year warranty

TECHNICAL SPECIFICATIONS

MODEL	IPC-50-3000	PH50-3600M	PH50-4200M	PH50-4600M	PH50-5000M	PH50-6000M
RATED POWER(W)	3000	3600	4200	4600	5000	6000
PV INPUT(DC)						
Maximum recommended DC power(W)	3450	4100	4800	5300	5750	7000
Nominal DC operating voltage(V)	360					
Maximum DC voltage(V)	550					
MPPT voltage range (V)	100 ~550					



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Maximum input current(A)	11	11/11				
Maximum short circuit current(A)	15	15/15				
No.of MPP tracker	1	2				
Strings per MPP tracker1	1					
INVERTER OUTPUT(DC)						
Nominal AC Output Power (W)	3000	3600	4200	4600	5000	6000
Nominal Output voltage(V); Range(V)	220/230/240;180~280AC					
AC grid frequency(Hz);range(Hz)	50/60;45~55/55~65					
Nominal output current(A)	13.1	15.7	18.3	20	21.7	26.1
Maximum output current(A)	13.7	16.4	19.1	21	22.8	27.3
Total harmonic distortion i(THDi)	<3%					
Power factor at rated power	1					
Displacement power factor	0.8 leading~0.8 lagging					
EFFICIENCY						
Maximum efficiency	97.4%					
Euro-efficiency	97%					
MPPT efficiency	99.5%					
Standby losses(W)	<1					
PROTECTION DEVICES						
DC switch rating for each MPPT	Yes					
Grid monitoring	Yes					
Output over current protection	Yes					
Output overvoltage protection-varistor	Yes					



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Integrated all-pole sensitive leakage current	Yes					
GENERAL						
Dimension(W/H/D)(mm)	259*340*138	355*412*153	355*412*153	355*412*173	355*412*173	335*412*201
Net weight (kgs)	9.5kg	14kg	14kg	14.5kg	14.5kg	15.5kg
Maximum DC voltage(V)	550					
MPPT voltage range (V)	100 ~550					
DC connection	H4/MC4					
AC connection	Connection					
Display	LED					
Communication interfaces	Wi-Fi/USB					
Ingress protection rating	IP65					
Humidity	100%					
Operating temperature range	-20°C~+60°C With derating above 45°C					
Cooling concept	Natural					
Altitude	<2000m					

- **Please contact us for more details information**