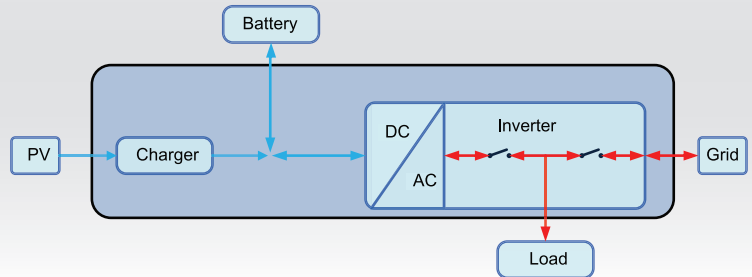


PH3000 Series On/off Hybrid Solar Inverter



- On-grid inverter with energy storage
- Combining solar system, AC utility, and battery power source to supply continuous power
- Multiple operations: Grid tie, Off grid, and grid-tie with backup
- Pure sine wave output



Specification

MODEL		PH30-2K	PH30-3K	PH30-4K	PH30-5K	PH30-6K
Default Battery System Voltage						48 VDC
SOLAR CHARGER & AC CHARGER	PV Open Circuit Voltage (VDC)	145 VDC				
	Max PV Input Power (W)	2600W	3200W	3200W	6400W	6400W
	Max Solar Charging Current (A)	45A	60A		120A	
	Max AC Charging Current (A)	40A	60A	80A	100A	120A
BATTERY	Rated input voltage	48 VDC				
	Allowed input DC voltage range	40 VDC ~ 62 VDC				
	Low voltage alarm (VDC)	42 VDC				
	High voltage alarm (VDC)	60VDC				
AC Output	Rated capacity (VA)	2500VA	3750VA	5000VA	6250VA	7500VA
	Rated output power (W)	2000W	3000W	4000W	5000W	6000W
	Rated output voltage and frequency (Vac/Hz)	230Vac / 50Hz				
	Rated output current (A)	8.7A	13A	17.4A	21.7A	26A
	Output voltage precision (Vac)	230 Vac±1%				
	Output frequency precision (Hz)	50 Hz±0.1%				
	THD (Linear loads)	Off grid≤2%				
	Dynamic response speed (0→100%)	Grid discharge ≤3%				
	Power factor	Grid charge ≤3%				
	Overload capability	20ms				
		Grid discharge 99.9% & Grid charge 99.9%				
		110% , 30 minutes				
		125% , 1 minutes				
		150% , 30 seconds				
200% , 10 seconds						
Grid / Off grid change time	Short circuit 5s					
Output wave	< 10ms					
Inverting efficiency 80% resistive loads	≥92%		sine wave			
Standby Power Consumption	≥93%					
AC Input	AC Input maximum of current (A)	17.4A	26A	34.8A	43.4A	52A
	AC Input voltage (Vac)	184Vac ~ 253Vac				
	AC Input frequency (Hz)	47.5Hz ~ 51.5Hz				
Display & Protection Function	LED indication	Systematic operation, indication of charge and discharge, indication of fault				
	LCD display	output voltage, output current, grid voltage, grid current, voltage of storage battery, load power, chart of capacity				
	Protection Function	Input LV protection				
		Input OV protection				
Output overload protection						
Mechanical Specifications	Mounting	Output Short Circuit Protection				
	W*H* D(mm)/G.W(kg)	Wall mounted				
	Communication terminal	337*462*183mm/25kg	337*462*183mm/29.5kg	370*462*183mm/35kg	370*537*183mm/47kg	370*537*183mm/47kg
Other	Operation Temperature Range	RS485 / CAN bus				
	Environmental Protection Rating	-20°C ~ +50°C				
	Ambient humidity	Indoor(IP20)				
	Altitude	0 ~ 90% relative humidity(non-condensing)				
		≤3000m				

* Product specifications are subject to change without further notice.