

Off-Grid Inverter GF3K24H/GF5K48H

Single phase

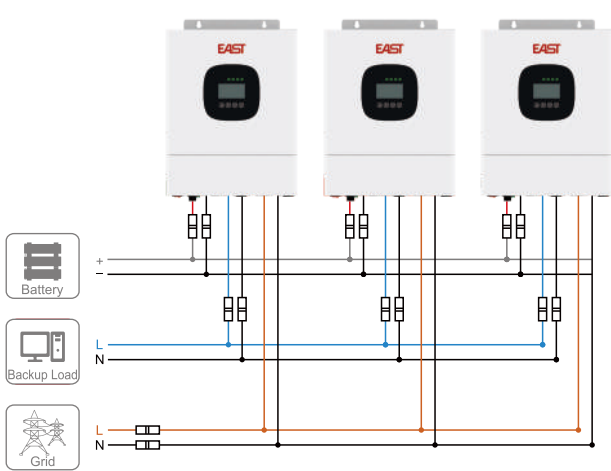


-  Flexible setting of multiple working modes according to preferences
-  Real time remote monitoring system via WiFi module, easy operation and maintenance
-  Graphical LCD and keypad design, user-friendly operation interface
-  High charge/discharge efficiency, compatible with lithium battery and lead-acid battery

Typical application



Parallel application



Inverter specification

MODEL	GF3K24H	GF5K48H
Rated power	3000VA/3000W	5000VA/5000W
Parallel function	No	Yes, 6 units max
AC input		
Rated input voltage	230VAC	
Input voltage range	170~280VAC PC, 90~280VAC home application	
Rated input frequency	50/60Hz self-adapting	
Input frequency range	40~65Hz	
Rated input current	17.4A	32A
Max. input current	20A	40A
AC output		
Rated AC output voltage	230VAC	
Output settable voltage	220V/230V/240V	
Output settable frequency	50Hz/60Hz	
Rated AC output current	13.05A	21.70A
Overload capacity	60s@105%~110% Load; 10s@110%~130% Load 3s@130%~150% Load; 0.2s@>150% Load	60s@105%~110% rated load; 10s@110%~150% rated load 5s@150%~180% rated load; 300ms@≥180% rated load
THDv	<5%, linear load; <10%, non-linear load	
Efficiency(peak value)	93%	
Surge power	6000VA, 10 cycles	10000VA, 10 cycles
Switching time	10ms(Typical)	
Battery		
Battery type	Lead-acid battery/lithium battery	
Rated voltage	24VDC	48VDC
Charging voltage	27VDC(default), 24~29.2VDC settable	54VDC(default), 48~58.4VDC settable
Overcharge protection voltage	30.2VDC	60.5VDC
Rated discharge current	130A	113.7A
PV/AC charging		
PV charging	MPPT	
Max. PV plate power	5000W	6000W
Max. PV plate open circuit voltage	500VDC	
MPPT operation range voltage	120~450VDC	
Max. PV input current	18A	27A
Max. PV charging current	100A	
Max. AC charging current	100A	
Max. battery charging current	100A	
Others		
Dimension(W×D×H)(mm)	300×115×380	349×115×375
Net weight(kg)	6.6	9.2
Operating environment	-10℃~50℃	
IP rating	IP20	
Protections	Input over/under voltage protection, input over/under frequency protection, output overload, output short-circuit, radiator over temperature protection, fan fault detection etc.	
Communication interfaces	USB/RS485, dry contact, WiFi(optional)	