



PRICOR

SOLAR PUMP INVERTER

Rated Power(kw) 5.5/7.5/11/15/18.5/22/30



ADVANCED IGBT DSP CHIP TECHNOLOGY Features a state-of-the-art IGBT (Insulated Gate Bipolar Transistor) and DSP (Digital Signal Processor) chip for efficient and reliable power management.



ENHANCED SAFETY FEATURES Incorporates multiple safety components, including relays, capacitors, and optocouplers, to safeguard against electrical issues.



EFFICIENT THERMAL MANAGEMENT Equipped with a built-in fan for effective heat dissipation, ensuring consistent performance and extended lifespan.



SOLAR ENERGY COMPATIBILITY Optimized for solar energy conversion, making it ideal for motor pumping applications and reducing dependency on grid electricity.



SIMPLIFIED WIRING AND SETUP Includes a clear wiring diagram to streamline installation and ensure easy integration into existing systems.



RELIABLE BRAND ASSURANCE Backed by Crown Solar Energy, a trusted name in durable and dependable solar-powered solutions.

24/7
AFTER SALES
SERVICE



Selection Guide

Model Name	Model NO.	Rated Power(kW)	Rated Input Current(A)	Rated Output Current(A)
3AC 380V ±15%				
RIDOR 5.5KW	CHF100A-5R5G/7R5P-4	5.5/7.5	15/20	13/17
PRIDOR 7.5KW	CHF100A-7R5G/011P-4	7.5/11	20/26	17/25
PRIDOR 11KW	CHF100A-011G/015P-4	11/15	26/35	25/32
PRIDOR 15KW	CHF100A-015G/018P-4	15/18.5	35/38	32/37
PRIDOR 18.5KW	CHF100A-018G/022P-4	18.5/22	38/46	37/45
PRIDOR 22KW	CHF100A-022G/030P-4	22/30	46/62	45/60
PRIDOR 30KW	CHF100A 030G/037P 4	30/37	62/76	60/75

Technical Features

I/O Features	Input Voltage Range	380/220V±15%
	Input Frequency Range	47~63Hz
	Output Voltage Range	0~rated input voltage
	Output Frequency Range	0~400Hz
I/O Terminals	Input Terminals	programmable DI:7, 1 high speed pulse; programmable AI:2, AI1: -10V~10V; AI2: 0~10V or 0~20mA;
	Output Terminals	programmable open collector output:1(open collector or high speed pulse output selectable); programmable relay output:2 programmable AI:2, 0/4~20mA or 0~10V selectable.
	Communication Terminals	provide RS485 communication interface, adopt Modbus-RTU communication mode.
Control Function	Control Mode	V/F control, sensorless vector control (SVC)
	Speed Adjusting Range	1:100(SVC)
	Overload Capacity	150% rated current 60s, 180% rated current 10s .
	Frequency Reference Source	Keypad, analog input, HDI, serial communication, multi-step speed, simple PLC and PID. The combination of multi- modes and the switch between different modes can be realized.
	Other Functions	• Traverse Control Function • PID Control Function • Simple PLC, Multi-Steps Speed Control Function: 16 steps speed can be set. • None-Stop when instantaneous power off. • Speed Trace Function: Smoothly start the running motor. • Automatic Voltage Regulation Function (AVR): • Up to 23 fault protections: over current, over voltage, under voltage, over temperature, phase failure, overload etc.
Man-machine Interface	LED Display	Can display: setting frequency,output frequency,output voltage,output current etc.
	Multi-function Key-press	The QUICK/JOG key-press can be used as multi-function key-press.
EMC	EMC Criterion	if the installing and wiring of the inverter together with the EMI filter according to 《Manual of CHF100A》, we can promise it's must meet the following criterion: • EN61000-6-4 • EN61800-3 [Normally, if the cable of motor is longer than 50m, it's should install AC reactor or sinusoidal filter at the output side of the inverter.]
Environmental Constraint	Temperature	-10°C ~ +40°C. Inverter will be derated if ambient temperature exceeds 40°C.
	Humidity	≤90%, without condensation
	Altitude	≤1000M, output rated power >1000M, output power with derating
	Impingement and Oscillation	The inverter is prohibited to drop on the floor or with suddenly impact, it also prohibited to be installed at the place where the oscillation may occur very probably.
	Electromagnetic Radiation	The inverter is prohibited to be installed at the place where stronger electromagnetic radiation may occur very probably.
	Store Environment	The inverter is prohibited to be stored at the place where with direct sunlight, fall of oil mist, steam and with heavy oscillation.