

Solar Pump Inverter

NV4T-5.5/7.5/11/15/18.5/22K-A



- **IP65 protection design, Outdoor Installation directly**
IP65, water proof, damp proof, anti-corrosion
- **-10~60 °C Wide operating temperature range**
- **Support AC/DC power supply at the same time**
- **Optimized MPPT algorithm,efficiency of more than 99%**
- **Fully automatic unattended operation**
Overcurrent / overvoltage / output phase loss / short circuit / overheat protections
- **Wide DC input range**
Capable of connecting bigger pannels

	NV4T-5.5K-A	NV4T-7.5K-A	NV4T-11K-A	NV4T-15K-A	NV4T-18.5K-A	NV4T-22K-A
PV Input						
Maximum Input DC Voltage	900VDC					
Recommended Voc Range	450-850 VDC					
Max MPPT Efficiency	99%					
Grid or backup generator input						
AC Input voltage	3PH 380V(15%-30%)					
AC Input Frequency	50Hz/60Hz(-5%~+5%)					
Output specification						
Drive Mode	Variable Frequency Drive, output PWM, 3 phase					
Rated output voltage	3PH 380V					
Applicable Motor(kW)	5.5	7.5	11	15	18.5	22
Rated Output Current(A)	13	17	25	32	37	45
Overload capability	120% Rated Current 60s, 145% Rated Current 10s, 160% Rated Current 1s.(40 ℃)					
Output Frequency Range	0-600.00Hz （default: 0-50.00Hz）					
Protection						
Built-in Protection	Over-current , Overvoltage, Overheating, Output phase-lose, Under-load, Under-voltage,Short circuit and Dry run protection etc					
General Parameters						
Power Generated By PV Panel	Built-in					
UP Time Of The Pump	Built-in					
Full Auto Running	Built-in					
Over Tank & Dry Run Control	Built-in					
Application Site	No direct sunshine, no dust, corrosive gas, combustible gas, oil mist, steam, dripping					
Altitude	0-3000m, derated use above 1000m; Per 100m, the rated output current decrease 1%.					
Environment Temperature	-10 ℃ -60 ℃（Environment Temperature above 40 ℃ ,derated use.）					
Humidity	5-95%,non-condensation					
Vibration	less than 5.9 m/s2 （0.6g）					
Storage Temperature	-20℃ ~+70℃					
Efficiency	Rated Power Run≥96%					
Installation	Wall-mounted or Flange mounting					
Protection Grade	IP65					
Cooling	Forced Air Cooling					
Communication methods	RS232/485					
Inverter Size(W*H*D)	178*340*189(mm)		205*378*215(mm)		250*428*220(mm)	
Package Size(W*H*D)	392*290*283(mm)		420*295*309(mm)		550*345*340(mm)	
Net Weight(kg)	5.4		7.2		10.8	
Gross Weight(kg)	6.5		8.1		12.6	