



# VFD Solar pumping Inverter (4KW-37KW)



**Friendly LED Design**

## Main Features:

- 1- Maximizing power generation efficiency of solar modules with the use of advanced MPPT control technology and automatic MPPT voltage tracking
- 2- Adjust water outflow of pumps quickly on basis of sunlight intensity change
- 3- Automatic hibernation and wake up
  - Hibernate at high water level and wake up at low water level
  - Hibernate at sunrise and sunset and wake up at strong sunlight
- 4- Built-in C3 EMC filter and DSP technology and Infineon PIM design, with functions of light weak protection, dry run and low voltage, full water warning, overvoltage and overtemperature protection
- 5- Advanced calculation for Pump flow and LCD monitoring display
- 6- Automatic running without any commissioning in keypad control and GPRS monitoring option(as option)
- 7- Dual supply capability with changeover switch - solar and grid compatible

**POWER YOUR LIFE**

### Independent duct design

- Independent duct design Independent air duct design, effectively preventing dust entering inverter, causing short-circuit and other faults and improving reliability
- Use bigger air volume and long life cooling fan effectively reduces the internal temperature rise of the inverter and ensures reliable and stable operation of inverter

### Model Ranges

Brand	Current	Power/ Voltage	Model Number	Size
Onyxline	17A	4KW/220V	OVFD500-20S00400-PV	215*100*170
Onyxline	13A	5.5KW/380V	OVFD500-40T00550-PV	250*130*180
Onyxline	17A	7.5KW/380V	OVFD500-40S00750-PV	250*130*180
Onyxline	25A	11KW/380V	OVFD500-40T01100-PV	310*180*193
Onyxline	32A	15KW/380V	OVFD500-40T01500-PV	310*180*193
Onyxline	37A	18.5KW/380V	OVFD500-40T01850-PV	365*210*205
Onyxline	45A	22KW/380V	OVFD500-40T02200-PV	365*210*205
Onyxline	60A	30KW/380V	OVFD500-40T03000-PV	452.5*260*230
Onyxline	75A	37KW/380V	OVFD500-40T03700-PV	452.5*260*230
Onyxline	90A	45KW/380V	OVFD500-40T04500-PV	555*310*275
Onyxline	110A	55KW/380V	OVFD500-40T05500-PV	555*310*275
Onyxline	150A	75KW/380V	OVFD500-40T07500-PV	640*350*290

### ELECTRICAL SPECIFICATIONS

VOLTAGE	220V	380V
Max inputDC voltage	450V	800V
RecommendedMPPTvoltage range	250~350VDC	400~600VDC
Recommendedinput voltage	305V	530V
MPPT efficiency	99%	
Input channel	2	
Rated output voltage	3-phase 220VAC	3-phase 380VAC
Output frequencyrange	0~60Hz	
Max efficiencyof the machine	97%	
Ambienttemperature range	-10 °C~50 °C, derating if the temperatureis above 40 °C	
Coolingmethod	Air cooling	
Protection degree	IP20	
Altitude	Below 1000m; above 1% for every additional 100m.	
Standard	CE	



**MADE IN CHINA  
DESIGNED IN CANADA**