

Smart Inverter UD series

- Small no-load loss, less than half of the same power high-frequency machine

- Pure sine wave output, can adapt to different loads
- Output short-circuit protection
- A number of parameters can be adjusted according to user needs
- Optional solar controller with PWM/MPPT
- Optional with BMS communication function
- Optional RS485 communication function

Capacity(VA)	1KVA12V	1.3KVA12V	1.5KVA12V	2KVA24V	3KVA24V	3.8KVA24V	5KVA48V	6.3KVA48V	8KVA48V	10KVA48V	12.5KVA48V
MODEL	UD1012	UD1312	UD1512	UD2024	UD3024	UD3824	UD5048	UD6348	UD8048	UD10048	UD12548
Input											
Voltage(DC)	12V			24V/48V				48V			
Nominal Voltage	220VAC(Standard) /110VAC (Custom)										
Voltage Range	154-265VAC ;185-264VAC (selectable)										
Frequency	50-60HZ Auto sensing										
Output											
Walt	800W	1000W	1200W	1600W	2400W	3000W	4000W	5000W	6400W	8000W	10KW
Voltage	220VAC±10% (110VAC±10%)										
Frequency	50/60HZ										
Waveform	Pure Sine Wave										
Transfer Time (AC to DC)	<8ms										
Transfer Time (DC to AC)	<8ms										
Output Voltage Regulation	±10%										
Bypass Mode	Yes										
Saver Mode	Yes										
Efficiency	>98%										
Protection											
Input Protection	Circuit Breaker										
Output Protection	Circuit Breaker										
Battery											
Battery Type	AGM-Deep Cycle,GEL,LIFEP04										
	UP to 500Ah										

Charging Current	20A	25a	30A	15A	30A	35A	20A	29A	39A	50A	60A
Low Level disconnect (Selectable)	10V or 10.5V			24V: 20V or 21V 48V: 40V or 42V							
LCD indicator status	Input AC,Output AC										
	Battery DC,Output Load										
	Alarm,Fault										
	Battery Charge Level										
	Output Frequency										
LED indicator status	AC Line In:Green										
	Inverter:Green										
	Charging :Yellow										
	Alarm :Red										
Battery low alarm	12V:battery light discharge11.5V;battery load discharge 11.5V@load<20%; 11V@load>50%/10.5V@load>50%; 24V:battery light discharge23V;battery load discharge 23V@load<20%; 22V@load>50%/21V@load>50%; 48V:battery light discharge46V;battery load discharge 46V@load<20%; 44V@load>50%/42V@load>50%;										
Battery low recovery	12V:battery light discharge12V;battery load discharge 12V@load<20%; 11.5V@load>50%/11V@load>50%; 24V:battery light discharge24V;battery load discharge 24V@load<20%; 23V@load>50%/22V@load>50%; 48V:battery light discharge48V;battery load discharge 48V@load<20%; 46V@load>50%/44V@load>50%;										
DC low voltage shutdown	12V:battery light discharge11V;battery load discharge 11V@load<20%; 10.5V@load>50%/10V@load>50%; 24V:battery light discharge22V;battery load discharge 22V@load<20%; 21V@load>50%/20V@load>50%; 48V:battery light discharge44V;battery load discharge 44V@load<20%; 42V@load>50%/40V@load>50%;										
DC high voltage alarm and fault	16V			32V			64V				
DC high voltage recovery	15V			30V			60V				

Maximum PV array power	800W			1600W			3200W				
MPPT/PWM input voltage range	MPPT:15-150VDC PWM:15-50VDC			MPPT:30-150VDC PWM:30-105VDC			MPPT:60-150VDC PWM:60-105VDC				
Maximum PV array open circuit voltage	MPPT:150VDC PWM:50VDC			MPPT:150VDC PWM:105VDC			MPPT:150VDC PWM:105VDC				
Maximum solar charging	60A						120A				
Alarm											
Low battery alarm	Audible alarm-1 beeping per second										
Overload alarm	Audible alarm-continuous beeping										
Fault	Audible alarm-continuous beeping										
Environment											
Temperature	-10~50℃										
Humidity	C0-95%,Non condensing										
Accoustic Noise(db)	<45db										
Gross/Net weight(KG)	7.27/8.05	8.46/9.21	8.46/9.15								
Package size(MM)	430*333*173										