

# S & D SERIES SINGLE PHASE OUTPUT INDUSTRIAL ONLINE UPS 2KVA -60KVA

## SINGLE PHASE INPUT & SINGLE PHASE OUTPUT

MODEL	S-2K	S-6K	S-10K	S-20K
CAPACITY	2KVA-1600W	6KVA-4800W	10KVA-8000W	20KVA-16000W
VOLTAGE	Single phase with two lines ( L , N ) + ground wire ( G ) , 220V± 25%			
BATTERY VOLTAGE	192V			

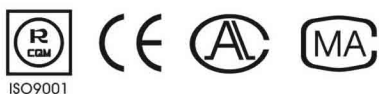
## THREE PHASE INPUT & SINGLE PHASE OUTPUT

MODEL	D-10K	D-20K	D-30K	D-60K
CAPACITY	10KVA-8000W	20KVA-16000W	30KVA-24000W	60KVA-48000W
VOLTAGE	Three phase with four lines ( R , S , T , N ) + ground wire ( G ) , 380V± 25%			
BATTERY VOLTAGE	192V / 384V		384V	

## SPECIFICATION

INPUT	FREQUENCY	50 Hz / 60 Hz ± 10%
	POWER FACTOR	≥ 83%
OUTPUT	VOLTAGE	Single phase 220 V ± 0.5 %
	VOLTAGE REGULATION	Stable voltage ± 1% , dynamic voltage ± 2% , ( 0 - 100% load fluctuation 20 ms )
	FREQUENCY STABLENESS	50 Hz / 60 Hz ± 0.5%
	FREQUENCY TORSIONRATE	Less than 1Hz / second
	INSTANT LOAD STAUAS	± 0.4% ( 100% instant load fluctuation )
	HARMONIC DISTORTION	For linear load , less than 3% ( full load ) , total rectifying harmonics is less than 5%
	OVERLOAD CAPACITANCE	110%
	WAVE FORM	Sine wave
EFFICIENCY	INPUT AC TO OUTPUT AC	Above 95%
TRANSFER TIME	MAINS POWER SUPPLY FAILS OR RESTORES	0 second
	TURNS FROM UPS TO BYPASS	Less than 4 ms
BATTERY	TYPE	Lead - acid sealed , maintenance - free
	CHARGING TIME	After it is fully charged it can be filled to 90% of the total capacity after it is charged for 8 hours
WARNING SOUND	BATTERY DISCHARGE	If the main power fails , it buzzes once every 4 seconds
		If the battery is low , it buzzes once every 1 seconds
		If the battery stops discharging , it buzzes continuously
INTERNAL PROTECTION DEVICE LCD PANEL	IN FAULT STATUS	Continuously buzzes
	BATTERY	Automatically shuts down when the battery power is low , it has no fuse switch protection
	OVERLOAD	After the overload (100% - 110%) lasts for 3 seconds , it automatically jumps to BYPASS. It can automatically restore normal state
	TEMPERATURE IS TOO HIGH	If the internal temperature of the UPS > 85°C , it will automatically jump to BYPASS
	OUTPUT SHORT CIRCUIT	Limits current , automatically shuts down the machine , without fuse switch protection
OUTSIDE ENVIRONMENT	UPS IS ABNORMAL	Automatically jump to BYPASS mode and starts direct mains power supply
	LCD DISPLAY	Indicating input and output voltage , frequency , battery voltage and output power ( % ) , temperature
	RELATIVE HUMIDITY	0% ~ 93% ( No condensation )
	OPERATION CONDITION	Lower than 3000 meters above sea level ( altitude )

- ✧ Superior load It is completely capable to load from 0-100% while no need to change to bypass, which make sure the output reliable.
- ✧ Perfect protection It has output over/low load protection, Input surge protection, phase sequence protection; battery over charge/discharge protection; short circuit protection; over-temperature protection and so on, as well as alarming function.
- ✧ High dynamic performance Adopting kinds of feedback control such as instantaneous control method and valid date, it achieves high dynamic adjustment and reduces the output THD.
- ✧ Optional input harmonic filter effectively restrain the input THD; Raise UPS input power factor, reduce the input THD current.
- ✧ Optional battery detecting module Able to test the single parameters, and display on the LCD. If battery failure it will alarm.
- ✧ Characteristic setting



ISO9001



LONG BACKUP



TEL / MODEM PORT



AVR



SURGE PROTECTION



SOFTWARES



DIGITAL DISPLAY



LIGHTNING PROOF